



GENESYS GH1kW/1.5kW Series Programmable DC Power Supplies Half-Rack 1kW/1.5kW in 1U Height

! Advanced Features Built-In !

Arbitrary Waveform Generator with Auto-Trigger Capability

 Programmable Slew Rate Control (Vout/lout)

 Constant Power Limit Operation • Internal Resistance Programming

 Built-In Remote Isolated Analog Interface
 Built-In LAN (LXI 1.5), USB, and RS-232/RS-485 Interfaces
 Optional EtherCAT, Modbus-TCP, IEEE (488.2) Interfaces
 Blank Front Panel Option Available





Trusted • Innovative • Reliable



The GENESYS[™] family of programmable power supplies sets a new standard for flexible, reliable, AC/DC power systems in OEM, Industrial and Laboratory applications.

Features include:

- Leading DC Programmable power density (1.5kW in 1U height) in 19" Half-Rack-mount
- Light-weight <3.5 kg
- Wide Range of popular worldwide AC inputs:
- GH1kW/1.5kW: 1ø (85~265VAC)
- Active PFC (0.99 typical)
- Output Voltage up to 600V, Current up to 150A
- Built-in LAN (LXI 1.5), USB, RS-232/RS-485 Interface
- Multi-Drop capability (RS-485)
- Multi-functional front panel display
- Last-Setting Memory
- Auto-Start / Safe-Start: user selectable
- High Resolution 16 bit ADCs & DACs
- Arbitrary Waveform Generator with Auto-Trigger Capability
- Store up to 100 steps into four internal memory cells
- High-speed Programming
- Constant Voltage/Constant Current operation modes
- Constant Power (CP) Limit

Slew-Rate Control (V/I)

- Internal Resistance Programming Simulation
- · Local / Remote Sensing software controlled
- Built-In Remote Isolated Analog Program/Monitor and Control Interface
- Protection functions (OVP, UVP, UVL, FOLD (CV/CC), OCL, OTP, AC FAIL)
- Fan speed profile controlled by ambient temperature and load
- Certified LabWindows™/CVI, LabVIEW™, and IVI Drivers
- Optional EtherCAT, Modbus-TCP, IEEE (488.2) Interfaces
- 19" Rack Mount capability for ATE and OEM application
- Scalable Power Systems
- Parallel Systems with Auto-Configure
- Worldwide Safety Agency approvals
- CE Mark for Low Voltage, EMC and RoHS3 Directives
- Five year warranty

Applications

GENESYS[™] power supplies have been designed to meet the demands of a wide variety of applications.

Test & Measurement systems, Component Device Testing, Manufacturing and process control.

Semiconductor Processing & Burn-In, Aerospace & Satellite Testing, Medical Imaging, Green Technology.

Higher power systems can be configured with up to four 1.5kW units. Each unit is 1U with zero space between them (zero stack).

OEM Designers have a wide variety of Inputs and Outputs from which to select

depending on application and location.

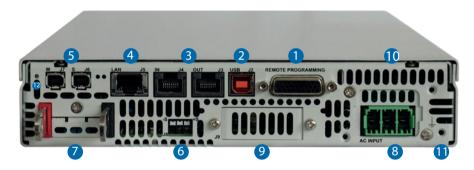


GH1kW/1.5kW Front Panel Description



- 1. Input Power ON/OFF Switch
- 2. Air Intake allows zero stacking for maximum system flexibility and power density.
- 3. Reliable Detent Encoders for settings and Menu navigation.
- 4. High Contrast/Brightness display with wide viewing angle, 16 segment LCD
- 5. Function/Status LEDs: Active modes and function indicators
- 6. Pushbuttons allow flexible user configuration

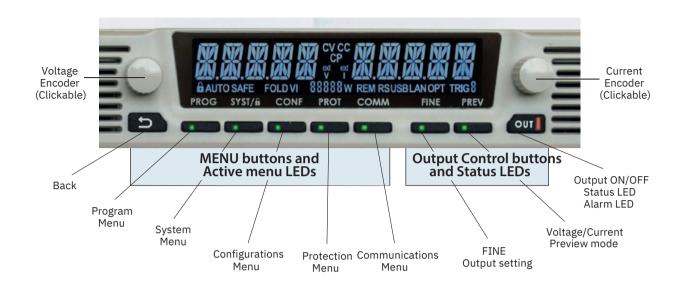
GH1kW/1.5kW Rear Panel Description



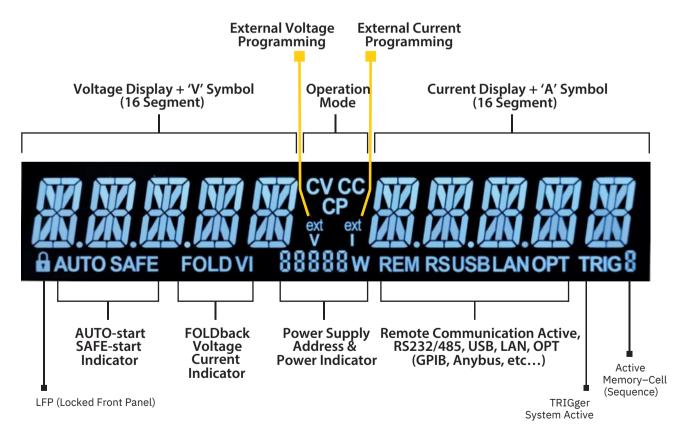
- 1. Isolated Analog Programming, Monitoring and other control connector (DB26 Female)
- 2. USB Interface connector (Type B).
- 3. RS-232/RS-485 IN/OUT Remote Digital Interface (RJ-45 type) for Multi-Drop connection
- 4. LAN (LX/1.5) Interface connector (RJ-45 type with LAN status indicators).
- 5. Auto paralleling Bus connectors (mini I/O type) for connecting Master unit-to-Slave and Slave unit-to-Slave unit.
- 6. Remote/Local Output Voltage Sense Connections (spring cage).
- 7. Output Connections: Rugged busbars (shown) for models up to and including 100V Output; Output connector: PHOENIX CONTACT GIC 2.5/4-G-7,62 for models with Outputs >100V. Plug connector: PHOENIX CONTACT GIC 2.5/4-ST-7,62 for models with Outputs >100V.
- GH1.5kW Input: 85~265VAC, Single Phase, 50/60 Hz.
 AC Input Connector: PHOENIX CONTACT Power Combicon PC 5/3-G-7,62
 AC Input Plug Connector: PHOENIX CONTACT Power Combicon PC 5/3-STCL1-7,62
 Series with strain relief. (Model shown) GH1kW AC Input Connector: IEC320 C16.
- 9. Optional Interface Position for IEEE 488.2 SCPI or AnyBus Interface.
- 10. Exhaust air assures reliable operation when units are zero stacked.
- 11. Functional Ground connection (M3x8mm screw).
- 12. Reset button. Set default Power Supply settings.



Front Panel Display MENU/CONTROL buttons:



Front Panel Display indicators





GENESYS™ GHB1kW/1.5kW Series Blank Front Panel (ATE version)



A Blank Front Panel is available for applications where the front panel display and controls are not required and only remote interface (Digital/Analog) is needed.

The Blank Front Panel option has all the standard product functions and features except the display. The power supply can be controlled via the rear panel Remote Digital Interface (LAN, USB, RS-232/RS-485) or via the Remote Isolated Analog Interface.

GENESYS[™] Parallel and Series Configurations

Parallel operation - Master/Slave:

Auto paralleling Scalable Master-Slave Operation. Active current sharing allows up to four identical units to be connected

Total real current is programmed, measured and reported by the Master. Up to four supplies operate as one.

Series operation

Two units may be connected in series to increase the output voltage or to provide bipolar output. (Max 600V to Chassis Ground).

Multi-Drop Remote Programming via Communication Interface

Standard Built-in LAN, USB, RS-232 & RS-485 allows "Multi-Drop" daisy-chain control of up to 31 Power supplies on the same communication bus. Can be daisy chained via built-in RS-485 Interface.

- First unit is LAN, USB, RS-232, RS-485, etc.
- All other units use RS-485 daisy chain with linking cable.



LAN, USB, RS-232, RS-485, IEEE, AnyBus

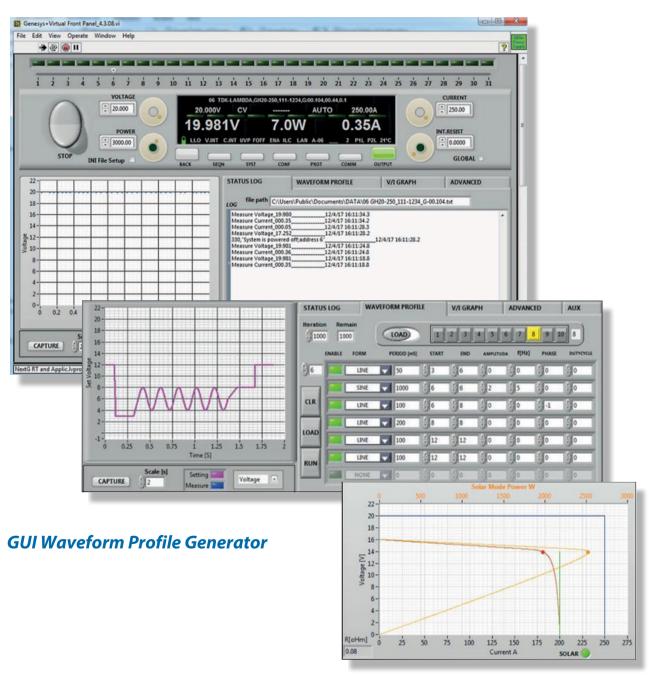
Standard Unit - zero stacked up to 4 units



Graphical User Interface

Advanced "Virtual Front Panel" allows programming and monitoring unit(s) with or without front panel display.

- 1. Control and monitor up-to 31 units with "Address" bar
- 2. Front panel set-up menu control (PROGram, SYSTem, CONFiguration, PROTection and COMMunication)
- 3. Informative "Parameters" status bar
- 4. Individual unit and Global command control
- 5. Data logging including errors, events and recovery
- 6. Realtime Graph and Waveform creator, store/load sequence.
- 7. Solar array mode calculate MPP (Max Peak Power) for solar array.
- 8. Registers View: Operation Status, Fault, Event Status, ENABLE and INTERLOCK signals.
- 9. Remote communication state LOC, REM, LLO.
- 10. Programmed signals 1&2





How to order GH1kW/1.5kW - Power Supply Identification / Accessories

GH	10 -	150		-	
Series Name	Output	Output	Interface Options	AC Cord Options only for 1kW	Accessories Options
Front Panel Type	Voltage	Current		Region: E - Europe	M - Printed *User Manual
Empty: standard B: Blank Front Pa	(0 ~10 V) nel	(0~150A)		U - North America	* User Manual & GUI are available on the website P - Bus Parralleling Cable
AC Inputs (All M	odels)		¥	C - China	
•	-			I - Middle East	
Interface Optio	ns (Factory	(installed)	P/N		
· // ·		-Drop capability)- b	-		
		op capability - built	-in _		
			-		
			-		
IEEE (488.2 & SCPI of	compliant with	n Multi-Drop capabi	lity installed)		
Modbus-TCP	·				
EtherCAT					
AC Inputs (All M 10, 85 ~ 265Vac Interface Optio LAN (LXI 1.5 complia USB 2.0 compliant RS-232/RS-485 - bu Isolated Analog Pro (5V/10V Pgm/Mon IEEE (488.2 & SCPI o Modbus-TCP	odels) ant with Multi with Multi-Dr ilt-in ogram/Monito with 600V isol	-Drop capability)- b op capability - built or Interface ation) - built-in	uilt-in _ -in _ -		P - Bus Parralleling Cable

Models 1kW

Model	Voltage (V)	Current (A)	Power (W)	Model	Voltage (V)	Current (A)	Power (W)
0G~1H01V0-100		0~100	100	GH80-12.5	0~80V	0~12.	100
0G+2200/-50		0~50	0	G H10 0 -10	0~100V	5	0
0G+B300/-34		0~34	100	G H15 0 -7	0~150V	0~10	100
0G H400 -25		0~25	0	G H30 0 -3.5	0 ~30 0V	0~7 0	0
0G H60 ∀17		0~17	102	GH600-1.7	0~600V	~3. 5	105
Models 1.	5kW		0			0~1.7	0
	5		100				105
Model	Voltage (V)	Current (A)	Bower (W)	Model	Voltage (V)	Current (A)	Bower (W)
G H10 -15 0	0~10V	0~150	152	GH80 -19	0~80V	0~19	152
GH20 -75	0 ~20V	0~75	0	G H10 0	0~100V	0~15	0
GH30 -50	0~30V	0~50	150	-15 G H15	0~150V	0~10	150
GH40 -38	0~40V	0~38	0	0 -10 G	0 ~30 0V	0~5	0
GH60 -25	0~60V	0~25	150	H30 0 -5	0~600V	0~2.	150
Accessori			0	GH600-	·	6	0
ACCESSON	62		152	2.6			150
Rack Mou	inting app	lications	P/N:GH/R	М			0
			P/N:GH/R				156

150

The Rack Mounted kit allows the unit to be zero stacking for maximum system flexibility and power density without increasing the 1U height of the units To install one GH1kW/1.5kW unit or two units sideby-side in a standard 19" rack in 1U(1.75") height,

use option kit P/N:GH/RM

Single unit installation

Single GH1kW/1.5kW power supply in a standard 19" rack in 1U(1.75") height

Dual unit installation

Two GH1kW/1.5kW power supplies side-by-side in a standard 19" rack in 1U (1.75") height

Benchtop applications Multi Output P/N:GH/MO

The benchtop stacking kit allows the units to be Zero stacked for maximum system flexibility and power density without increasing the 1U height of the units. To install a GH1kW/1.5kW two units one on top of the other use option kit P/N:GH/MO-2







GENESYS[™] GH1kW SERIES SPECIFICATIONS

OUTPUT RATING	GH	10-100	20-50	30-34	40-25	60-17	80-12.5	100-10	150-7	300-3.5	600-1.7
1.Rated output voltage(*1)	V	10	20	30	40	60	80	100	150	300	600
2.Rated output current (*2) 3.Rated output power	A	100 1000	50 1000	34 1020	25 1000	17 1020	12.5 1000	10	7 1050	3.5 1050	1.7
							· · · · · ·				
INPUT CHARACTERISTICS	V	10	20	30	40	60	80	100	150	300	600
1.Input voltage/freq. (*3)			ontinuous, 47	~63Hz,Single	Phase						
2. Maximum Input current at 100% load (100/200) 3.Power Factor (Typ)	A	12.5/6.5	- 0.08 @ 200V	ac rated outs	ut power						
4.Efficiency at 100 Vac/200Vac, rated output (*17)	%	86/88	87/89	ac, rated outp 87/89	87/89	87/89	87/89	88/90	88/90	88/90	88/90
5.Inrush current (*5)	A	Less than 50A		0,705	0//05	0//05	0,705	00,90	00,50	00,50	00,90
CONSTANT VOLTAGE MODE	V	10		20	10	60		100	150	200	600
1.Max. Line regulation (*6)			20	30	40	60	80	100	150	300	600
2.Max. Load regulation (*7)		0.01% of rate		3							
Ripple and noise (p-p, 20MHz) (*8)	mV	0.01% of rate		-	60	60	75	75	75	200	500
Ripple r.m.s. 5Hz~1MHz (*8)	mV	50	50	50	60	60	75	75	75	200	500
.Temperature coefficient		6	6	6	7	7	10	20	20	50	100
.Temperature stability					owing 30 minu			1 10.			
'. Warm-up drift							ip. Constant lir		ıp.		
B.Remote sense compensation/wire (*10)							wing power or		_		
UB-prog Response time (*11) 0.Down-progresponse time:	V	5 2	2	5	5	5	5	5	5	5	
1 5 1	mS	100 35	35	35	35	35	35	40	50	100	
Full load (*12)	mS	220 30	30	60	60	60	60	80	120	220	
No load (*12)	mS	3500500	700	900	1200	1500	1700	2000	2500	3300	
1.Transient response time	mS	Time for outp	ut voltage to	recover withir	n 0.5% of its ra	ted output fo	r a load change	e 10~90% of r	ated output c	urrent. Output	set-point: 10-
		Local sense. L	ess than 1.5m	S, for 10V mod	dels. Less than	1mS, for mod	els up to and i	ncluding 100\	/. 2mS for mod	lels above 100	V.
2.Start up delay	Sec	Less than 6 Se						-			
13.Hold-up time	mS	20ms typical,	rated output	power							
CONSTANT CURRENT MODE	V	10	20	30	40	60	80	100	150	300	600
.Max. Line regulation (*6)		0.01% of rate	d output curre	ent. +2mA							
2.Max. Load regulation (*9)		0.02% of rate	d output curr	ent. +5mA							
B. Ripple r.m.s. @ rated.yoltage. B.W 5Hz~1MHz. (*13)	₽₽₩А∕∘с	≤420	≤160	≤100	≤60	≤50	≤30	≤20	≤10	≤8	≤5
5. Temperature stability		10V~100V 1	00PPM/oC fro	m rated output	ut current, follo	owing 30 min	utes warm-up.				
'. Warm-up drift		150V~600V 7	0PPM/oC fror	n rated outpu	t current, follo	wing 30 minu	ites warm-up.				
		0.02% of rate	d lout over 8h	nrs. interval fo	llowing 30 mi	nutes warm-u	ıp. Constant lir	ne, load & tem	nperature.		
		10V~100V mo	odel: Less that	n +/-0.25% of	rated output o	urrent over 3	0 minutes follo utes following	owing power	on.		
		1500~6000:1	ess than +/-0	.15% of rated	output curren	it over 30 min	utes following	power on.			
ANALOG PROCRAMMING AND MONITORING (ISO								·			
•					A	l lin an rite a d					
.Vout voltage programming		0~100%, 0~5	V or 0~10V, u				0.15% of rated	Vout.			
.Vout voltage programming Lout voltage programming (*14)		0~100%, 0~5 0~100%, 0~5	V or 0~10V, u V or 0~10V, us	er selectable.	Accuracy and	linearity: +/-0	0.15% of rated 4% of rated lo	Vout. Jt.			
. Vout voltage programming 2.lout voltage programming (*14) 3.Vout resistor programming		0~100%, 0~5 0~100%, 0~5' 0~100%, 0~5	V or 0~10V, u V or 0~10V, us /10Kohm full	ser selectable. scale, user sel	Accuracy and ectable. Accur	linearity: +/-0 racy and linea	0.15% of rated 4% of rated lou rity: +/-0.5% o	Vout. ut. f rated Vout.			
1.Vout voltage programming 2.lout voltage programming (*14) 3.Vout resistor programming 4.lout resistor programming (*14)		0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5	V or 0~10V, u V or 0~10V, us /10Kohm full /10Kohm full	ser selectable. scale, user sel scale, user sele	Accuracy and ectable. Accur ctable. Accura	linearity: +/-0 racy and linea acy and lineari	0.15% of rated 4% of rated lo	Vout. ut. f rated Vout.			
1.Vout voltage programming 2.lout voltage programming (*14) 3.Vout resistor programming 4.lout resistor programming (*14) 5.Output voltage monitor	 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5, 0~100%, 0~5, 0~5V or 0~10	V or 0~10V, u V or 0~10V, us /10Kohm full /10Kohm full s V, user select	ser selectable. scale, user sel scale, user sele able. Accuracy	Accuracy and ectable. Accura ectable. Accura y: +/-0.5% of ra	linearity: +/-0 racy and linea acy and lineari ated Vout.	0.15% of rated 4% of rated lou rity: +/-0.5% o	Vout. ut. f rated Vout.			
1.Vout voltage programming 2.lout voltage programming (*14) 3.Vout resistor programming 4.lout resistor programming (*14) 5.Output voltage monitor 6.Output current monitor (*14)	 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5, 0~100%, 0~5, 0~5V or 0~10	V or 0~10V, u V or 0~10V, us /10Kohm full /10Kohm full s V, user select	ser selectable. scale, user sel scale, user sele able. Accuracy	Accuracy and ectable. Accur ctable. Accura	linearity: +/-0 racy and linea acy and lineari ated Vout.	0.15% of rated 4% of rated lou rity: +/-0.5% o	Vout. ut. f rated Vout.			
1.Vout voltage programming 2.Iout voltage programming (*14) 3.Vout resistor programming 4.Iout resistor programming (*14) 5.Output voltage monitor 5.Output current monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O	 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5, 0~100%, 0~5, 0~5V or 0~10	V or 0~10V, u V or 0~10V, us /10Kohm full /10Kohm full s V, user select	ser selectable. scale, user sel scale, user sele able. Accuracy	Accuracy and ectable. Accura ectable. Accura y: +/-0.5% of ra	linearity: +/-0 racy and linea acy and lineari ated Vout.	0.15% of rated 4% of rated lou rity: +/-0.5% o	Vout. ut. f rated Vout.			
I. Vout voltage programming 2.lout voltage programming (*14) 3.Vout resistor programming 4.lout resistor programming (*14) 5.Output voltage monitor 5.Output current monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O I. Power supply OK #1 signal	 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full V, user select V, user select	ser selectable. scale, user sel scale, user sele able. Accuracy able. Accuracy	Accuracy and ectable. Accura ectable. Accura y: +/-0.5% of rat	linearity: +/-0 racy and linear acy and lineari ated Vout. ted lout.	0.15% of rated 4% of rated lou rity: +/-0.5% o	Vout. ut. f rated Vout. ated lout.		um Sink Curre	nt: 10mA.
Vout voltage programming Autor voltage programming (*14) Vout resistor programming (*14) Sout resistor programming (*14) Soutput voltage monitor Soutput current monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O Power supply OK #1 signal CV/CC signal	 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5, 0~5V or 0~10 0~5V or 0~10 Power supply	V or 0~10V, u V or 0~10V, us /10Kohm full /10Kohm fulls V, user select V, user select output moni	ser selectable. scale, user sel scale, user sele able. Accuracy able. Accuracy tor. Open coll	Accuracy and ectable. Accura ectable. Accura y: +/-0.5% of rat : +/-0.5% of rat	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp	0.15% of rated 4% of rated lou rity: +/-0.5% o ty: +/-0.5% of r	Vout. .t. f rated Vout. ated lout. .imum Voltag	e: 30V, Maxim		nt: 10mA.
I.Vout voltage programming 2.lout voltage programming (*14) 3.Vout resistor programming (*14) 5.Output voltage monitor 5.Output voltage monitor 5.Output current monitor (*14) 5 IGNALS AND CONTROLS (ISOLATED FROM THE O 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control	 UTPUT)	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5, 0~5V or 0~10 0~5V or 0~10 Power supply CV/CC Monite	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /10Kohm full V, user select V, user selecta output moni or. Open colle	ser selectable. scale, user sele scale, user sele able. Accuracy able. Accuracy tor. Open coll ctor. CC mode	Accuracy and ectable. Accuracy ectable. Accuracy (: +/-0.5% of rate : +/-0.5% of rate ector. Output ector. Output	linearity: +/-0 racy and lineari acy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu	0.15% of rated 4% of rated lou rity: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max	Vout. ut. f rated Vout. ated lout. imum Voltag V, Maximum S	e: 30V, Maxim Sink Current: 1	0mA.	
	 UTPUT) 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 Power supply CV/CC Monitt Enable/Disab analog progr	V or 0~10V, u: V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si	Accuracy and ectable. Accura ectable. Accura y: +/-0.5% of rat ector. Output ector. Output e: On. CV mode ntrol by electr gnal. Open co	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo	0.15% of rated 4% of rated lou rifty: +/-0.5% of ty: +/-0.5% of r ut Off: Off. Max um Voltage: 30 dry contact. Rt te: On. Local: C	Vout. It. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.60 off. Maximum	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V,	0mA. al: 2~30V or o Maximum Sin	pen.
	 UTPUT) 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 Power supply CV/CC Monitt Enable/Disab analog progr	V or 0~10V, u: V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si	Accuracy and ectable. Accura ectable. Accura y: +/-0.5% of rat ector. Output ector. Output e: On. CV mode ntrol by electr gnal. Open co	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo	0.15% of rated 4% of rated lou rity: +/-0.5% o ty: +/-0.5% of r ut Off: Off. Max um Voltage: 30 dry contact. Re	Vout. It. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.60 off. Maximum	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V,	0mA. al: 2~30V or o Maximum Sin	pen.
	 UTPUT) 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 Power supply CV/CC Monite Enable/Disab analog progr	V or 0~10V, u: V or 0~10V, us /10Kohm full /10Kohm full /10Kohm full /10Kohm full /10Kohm full /10Kohm full /10Kohm full v, user select v, user select v, user select v, user select v, user select routput moni or. Open colle le analog pro amming cont le PS output l	ser selectable. scale, user sele able. Accuracy able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si by electrical si	Accuracy and ectable. Accura- table. Accura- y: +/-0.5% of rat- ector. Output e: On. CV mode ntrol by electr gnal. Open coi gnal or dry co	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or Illector. Remo ontact. 0~0.6V	0.15% of rated 4% of rated lou rifty: +/-0.5% of ty: +/-0.5% of r ut Off: Off. Max um Voltage: 30 dry contact. Rt te: On. Local: C	Vout. Jt. f rated Vout. ated lout. imum Voltag V, Maximum 9 semote: 0~0.6V fff. Maximum V or open. U:	e: 30V, Maxim 5ink Current: 1 V or short. Loc Voltage: 30V, ser selectable	0mA. :al: 2~30V or o Maximum Sin	pen.
	 UTPUT) 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 0~5V cr 0~10 0~5V cr 0~10 Enable/Disab Enable/Disab	V or 0~10V, u: V or 0~10V, us /10Kohm full /10Kohm full /10Kohm full /10Kohm full /10Kohm full /10Kohm full /10Kohm full v, user select v, us	ser selectable. scale, user sel scale, user sel able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sis by electrical si by electrical si	Accuracy and ectable. Accur ictable. Accur : +/-0.5% of rr : +/-0.5% of rat ector. Output e: On. CV mode : On. CV mode gnal. Open co ignal or dry co gnal or dry co	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu licetor. Remo ontact. 0~0.6V ntact. Remot	0.15% of rated 4% of rated lou rity: +/-0.5% of r ty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. Re te: On. Local: C 'or short, 2~30	Vout. ut. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.64 ff. Maximum V or open. U: ort. Local: 2~3	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open.	0mA. al: 2~30V or o Maximum Sin logic.	pen.
.Vout voltage programming 2.Jout voltage programming (*14) 3.Vout resistor programming (*14) 4.Jout resistor programming (*14) 5.Output voltage monitor 5.Output current monitor (*14) 5.GNALS AND CONTROLS (ISOLATED FROM THE O 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 5. ENABLE/DISABLE signal 5. INTERLOCK (ILC) control 7. Programmed signals	 UTPUT) 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 0~5V cr 0~100~5V cr 0~100~5V cr 0~10 0~5V cr 0~100~5V cr 0~100 0~5V cr 0~100~5V cr 0~100 0~5V cr 0~1000~5V cr 0~100 0~5V cr 0~100000000000000000000000000000000000	V or 0~10V, u: V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele scale, user sele able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sis by electrical si pable signals. I	Accuracy and ectable. Accur ctable. Accura y: +/-0.5% of rat ector. Output e: On. CV mode ntrol by electr gnal. Open co gnal or dry co gnal or dry co Maximum volt	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu cical signal or llector. Remo ontact. 0~0.6V ntact. Remote age 25V, Max	0.15% of rated 4% of rated lou rity: +/-0.5% of r ut Off: Off. Max um Voltage: 30 dry contact. R4 e: On. Local: C or short, 2~3C e: O~0.6V or sh imum sink cur	Vout. ut. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.65 ff. Maximum V or open. Us ort. Local: 2~3 rent 100mA (S	e: 30V, Maxim Sink Current: 1 Vor short. Loo Voltage: 30V, ser selectable 30V or open. Shunted by 27	0mA. :al: 2~30V or o Maximum Sin logic. 'V zener)	pen. k Current: 10r
Nout voltage programming Nout voltage programming Nout resistor programming Nout resistor programming Nout resistor programming Nout resistor programming Nout voltage monitor Soutput voltage monitor Soutput voltage monitor Soutput voltage monitor Noure supply of #1 signal Noure supply of #1 signal Noure Name Noure Analog control LOCAL/REMOTE Analog control Soutput Sale Signal SoutAL/REMOTE Analog signal	 UTPUT) 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 0~5V cr 0~100~5V cr 0~100~5V cr 0~10 0~5V cr 0~100~5V cr 0~10 0~5V cr 0~100~5V cr 0~10 0~5V cr 0~100~5V cr 0~10 0~5V cr 0~100~5V cr 0	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele scale, user sele able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sis by electrical si py electrical si able signals. I voltage = 0.8V	Accuracy and ectable. Accur ctable. Accur : +/-0.5% of ra : +/-0.5% of rat ector. Output e: On. CV mode mtrol by electr gnal. Open co gnal or dry co gnal or dry co Maximum volt ,Minimum hig	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu cical signal or llector. Remote ontact. 0~0.6V ntact. Remote age 25V, Max gh level input	0.15% of rated 4% of rated lou rity: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max m Voltage: 30 dry contact. R4 e: On. Local: C or short, 2~3C e: O~0.6V or sh imum sink curr voltage = 2.5V	Vout. ut. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.64 ff. Maximum V or open. U: ort. Local: 2~: rent 100mA (S , Maximum h	e: 30V, Maxim Sink Current: 1 Vor short. Loo Voltage: 30V, ser selectable 30V or open. Shunted by 27	0mA. :al: 2~30V or o Maximum Sin logic. 'V zener)	pen. k Current: 10r
Nout voltage programming Nout voltage programming (*14) Nout resistor programming (*14) Nout resistor programming (*14) Soutput voltage monitor Soutput voltage monitor Soutput voltage monitor (*14) SignALS AND CONTROLS (ISOLATED FROM THE O Nower supply OK #1 signal CO/LC/REMOTE Analog control LOCAL/REMOTE Analog signal CO/LC/REMOTE Analog signal S. ENABLE/DISABLE signal Si NTERLOCK (ILC) control Programmed signals ATRIGGER IN / TRIGGER OUT signal	 UTPUT) 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~100~5V or 0	V or 0~10V, u: V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sis by electrical si able signals. I voltage = 0.8V h. Tr,Tf=1us Mat	Accuracy and ectable. Accura- tctable. Accura y: +/-0.5% of rat ector. Output e: On. CV mode ntrol by electr gnal. Open co gnal or dry co gnal or dry co vaximum volt c, Minimum hig aximum, Min co	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu cical signal or llector. Remote ontact. 0~0.6V ntact. Remote age 25V, Max gh level input	0.15% of rated 4% of rated lou rity: +/-0.5% of r ut Off: Off. Max um Voltage: 30 dry contact. R4 e: On. Local: C or short, 2~3C e: O~0.6V or sh imum sink cur	Vout. ut. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.64 ff. Maximum V or open. U: ort. Local: 2~: rent 100mA (S , Maximum h	e: 30V, Maxim Sink Current: 1 Vor short. Loo Voltage: 30V, ser selectable 30V or open. Shunted by 27	0mA. :al: 2~30V or o Maximum Sin logic. 'V zener)	pen. k Current: 10r
Nout voltage programming Nout voltage programming (*14) Nout resistor programming (*14) Nout resistor programming (*14) Soutput voltage monitor Soutput voltage monitor Soutput voltage monitor (*14) SignALS AND CONTROLS (ISOLATED FROM THE O Nower supply OK #1 signal LOCAL/REMOTE Analog control LOCAL/REMOTE Analog signal S. ENABLE/DISABLE signal Si NTERLOCK (ILC) control Programmed signals ATRIGGER IN / TRIGGER OUT signals	 UTPUT) 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~50 vo ~10 0~5V or 0~10 0~5V or 0~10 Power supply CV/CC Monite Enable/Disab Enable/Disab Enable/Disab Enable/Disab Enable/Disab Enable/Disab Enable/Disab	V or 0~10V, u: V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si- by electrical si opy electrical si opy electrical si opy electrical si opy electrical si by	Accuracy and ectable. Accura- trable. Accura y: +/-0.5% of rat ector. Output ector. Ou	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu cical signal or llector. Remote ontact. 0~0.6V ntact. Remote age 25V, Max gh level input	0.15% of rated 4% of rated lou rity: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max m Voltage: 30 dry contact. R4 e: On. Local: C or short, 2~3C e: O~0.6V or sh imum sink curr voltage = 2.5V	Vout. ut. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.64 ff. Maximum V or open. U: ort. Local: 2~: rent 100mA (S , Maximum h	e: 30V, Maxim Sink Current: 1 Vor short. Loo Voltage: 30V, ser selectable 30V or open. Shunted by 27	0mA. :al: 2~30V or o Maximum Sin logic. 'V zener)	pen. k Current: 10r
	 UTPUT) -	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~50 vo ~10 0~5V or 0~10 0~5V or 0~10 Power supply CV/CC Monite Enable/Disab Enable/Disab Enable/Disab Enable/Disab Enable/Disab Enable/Disab Enable/Disab	V or 0~10V, u: V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sis by electrical si able signals. I voltage = 0.8V h. Tr,Tf=1us Mat	Accuracy and ectable. Accura- trable. Accura y: +/-0.5% of rat ector. Output ector. Ou	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu cical signal or llector. Remote ontact. 0~0.6V ntact. Remote age 25V, Max gh level input	0.15% of rated 4% of rated lou rity: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max m Voltage: 30 dry contact. R4 e: On. Local: C or short, 2~3C e: O~0.6V or sh imum sink curr voltage = 2.5V	Vout. ut. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.64 ff. Maximum V or open. U: ort. Local: 2~: rent 100mA (S , Maximum h	e: 30V, Maxim Sink Current: 1 Vor short. Loo Voltage: 30V, ser selectable 30V or open. Shunted by 27	0mA. :al: 2~30V or o Maximum Sin logic. 'V zener)	pen. k Current: 10r
Nout voltage programming Nout voltage programming (*14) Nout resistor programming (*14) Nout resistor programming (*14) Soutput voltage monitor Soutput current monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O Power supply OK #1 signal CV/CC signal LOCAL/REMOTE Analog control LOCAL/REMOTE Analog signal CNABLE/DISABLE signal NITERLOCK (ILC) control Programmed signals RIGGER IN / TRIGGER OUT signals DAISY_IN/SO control signal DAISY_OUT/PS_OK #2 signal	 UTPUT) 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 Power supply CV/CC Monitt Enable/Disab analog progr Enable/Disab Enable/Disab Two open dra Maximum low trigger: tw=1 By electrical \ 4~5V=OK, 0V	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /10Kohm full /10Kohm full /10Kohm full /10Kohm full /10Kohm full v user selecta v output moni or. Open colle le analog pro amming cont le PS output l le PS output l le PS output l le PS output l ain programm v level input v Ous minimum /oltage: 0~0.6 (5000hm imp	ser selectable. scale, user sele able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sie by electrical si pable signals. 7 voltage = 0.8W //2~30V or di	Accuracy and ectable. Accura- ectable. Accura- y: +/-0.5% of rat- ector. Output ector. Output ector. Output ector. Ov mode ntrol by electr gnal. Open coi gnal or dry co gnal or dry co gnal or dry co Maximum volt "Minimum hig aximum, Min e ry contact.	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo intact. 0~0.6V ntact. Remot age 25V, Max gh level input delay betweer	0.15% of rated 4% of rated loi rifty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. Rr te: On. Local: C or short, 2~30 e: 0~0.6V or sh imum sink curi voltage = 2.5V h-2 pulses 1ms.	Vout. it. f rated Vout, ated lout. imum Voltag V, Maximum 9 ort. Local: 2~ rent 100mA (S /, Maximum h	e: 30V, Maxim Sink Current: 1 Vor short. Loo Voltage: 30V, ser selectable 30V or open. Shunted by 27	0mA. :al: 2~30V or o Maximum Sin logic. 'V zener)	pen. k Current: 10r
Nout voltage programming Nout voltage programming (*14) Nout resistor programming (*14) Soutput resistor programming (*14) Soutput voltage monitor Soutput current monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O Power supply OK #1 signal CV/CC signal LOCAL/REMOTE Analog control LOCAL/REMOTE Analog signal SINTERLOCK (ILC) control Programmed signals TNTERLOCK (ILC) control Programmed signals DAISY_IN/SO control signal DAISY_IN/SO control signal DAISY_OUT/PS_OK #2 signal CUNCTIONS AND FEATURES Parallel operation	 UTPUT) -	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10~	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy ble. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sii by electrical si pable signals. I voltage = 0.8V Tr,Tf=1us Ma W/2~30V or di bedance)=Fail units in Maste	Accuracy and ectable. Accura- ctable. Accura- table. Accura- r/-0.5% of rat- ector. Output ector. Output ector. Output ector. Output ector. Output ector. Output ector. Output gnal or dry co- gnal or dry co- gnal or dry co- gnal or dry co- gnal or dry co- Maximum hig eximum, Min er y contact.	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or Illector. Remo ontact. 0~0.6V ntact. Remot age 25V, Max gh level input lelay betweer Refer to instru	0.15% of rated 4% of rated lou rity: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max m Voltage: 30 dry contact. R4 e: On. Local: C or short, 2~3C e: O~0.6V or sh imum sink curr voltage = 2.5V	Vout. it. f rated Vout, ated lout. imum Voltag V, Maximum 9 ort. Local: 2~ rent 100mA (S /, Maximum h	e: 30V, Maxim Sink Current: 1 Vor short. Loo Voltage: 30V, ser selectable 30V or open. Shunted by 27	0mA. :al: 2~30V or o Maximum Sin logic. 'V zener)	pen. k Current: 10r
.Vout voltage programming 2.lout voltage programming (*14) .Vout resistor programming (*14) .Output voltage monitor .Output voltage monitor (*14) .Output current monitor (*14) .IGKALS AND CONTROLS (ISOLATED FROM THE O .Power supply OK #1 signal 2. CV/CC signal 5. LOCAL/REMOTE Analog control 6. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 5. TNTFRLOCK (ILC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signal 0. DAISY_IN/SO control signal 0. DAISY_OUT/PS_OK #2 signal UNCTIONS AND FEATURES . Parallel operation 2. Series operation	 UTPUT) -	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~100000000000000000000000000000000000	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si by electrical si able signals. I voltage = 0.8V h. Tr,Tf=1us Ma V/2~30V or di- units in Maste ts. Refer to ins	Accuracy and ectable. Accura- traditional accura- r: +/-0.5% of rational accura- ector. Output e: On. CV mode ntrol by electri gnal or dry co- gnal or dry co-	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remot ntact. Remot age 25V, Max gh level input lelay betweer leay betweer Refer to instri ual.	0.15% of rated 4% of rated lou rity: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max m Voltage: 30 dry contact. R4 e: On. Local: C or short, 2~3C e: O~0.6V or sh imum sink cur voltage = 2.5V h 2 pulses 1ms. uction manua	Vout. ut. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.64 ff. Maximum V or open. U: ort. Local: 2~: rent 100mA (S , Maximum h l.	e: 30V, Maxim Sink Current: 1 Vor short. Loo Voltage: 30V, ser selectable 30V or open. Shunted by 27	0mA. :al: 2~30V or o Maximum Sin logic. 'V zener)	pen. k Current: 10r
.Vout voltage programming 2.lout voltage programming (*14) .Vout resistor programming (*14) .Output voltage monitor .Output voltage monitor (*14) .Output current monitor (*14) .GUALT CONTROLS (ISOLATED FROM THE O .Power supply OK #1 signal 2. CV/CC signal 5. LOCAL/REMOTE Analog control 6. LOCAL/REMOTE Analog signal 6. TRIGER IN / TRIGGER OUT signal 9. DAISY_IN/SO control signal 9. DAISY_OUT/PS_OK #2 signal • Daisy chain	 UTPUT) -	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~10 0~5V or 0~100~10 0~5V o	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sis by electrical si oy electrical si oy electrical si able signals. I voltage = 0.8V t. Tr,Tf=1us Ma V/2~30V or di bedance)=Fail units in Maste ts. Refer to ins nected in Dais	Accuracy and ectable. Accura tctable. Accura y: +/-0.5% of rat ector. Output ector. Ou	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remoto ontact. 0~0.6V mtact. Remoto age 25V, Max gh level input lelay between Refer to instru- ual.	0.15% of rated 4% of rated lou rity: +/-0.5% of ty: +/-0.5% of r ut Off: Off. Max m Voltage: 30 dry contact. Rt te: On. Local: C or short, 2~33 e: O~0.6V or sh imum sink cur voltage = 2.5V +2 pulses 1ms. uction manua ir turn-on and	Vout. it. f rated Vout. ated lout. imum Voltag V, Maximum 9 emote: 0~0.6 Maximum 9 ort. Local: 2~3 rent 100mA (9 , Maximum h Maximum h l. turn-off.	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu	0mA. cal: 2~30V or o Maximum Sin logic. V zener) t = 5V positive	pen. k Current: 10r
Vout voltage programming Vout voltage programming (*14) Vout resistor programming (*14) Vout resistor programming (*14) Soutput voltage monitor Soutput voltage monitor Vout voltage monitor	 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~50 vo ~10 0~5V or 0~10 Power supply CV/CC Monitt Enable/Disab Enable/Di	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele cale, user sele able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sin by electrical si opy electrical si pable signals. 1 voltage = 0.8W ., Tr,Tf=1us Mi W/2~30V or di bedance)=Fail units in Master ts. Refer to inso nected in Dais o a proggramm	Accuracy and ectable. Accura- trable. Accura- y: +/-0.5% of rat- ector. Output ector.	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remot ntact. Remot ntact. Remot age 25V, Max gh level input lelay betweer Refer to instruual. chronize the gramming vi	0.15% of rated 4% of rated lou rifty: +/-0.5% of r ty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. R te: On. Local: C or short, 2~30 e: O~0.6V or sh imum sink curr voltage = 2.5V h 2 pulses 1ms: uction manua ir turn-on and i a the commun	Vout. Jt. f rated Vout. ated lout. imum Voltag V, Maximum S emote: 0~0.61 Maximum V or open. U: ort. Local: 2~: rent 100mA (S /, Maximum h L. turn-off. ication ports	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu igh level inpu or the front pa	0mA. al: 2~30V or o Maximum Sin logic. V zener) t = 5V positive anel.	pen. k Current: 10r
Vout voltage programming Lout voltage programming (*14) Vout resistor programming (*14) Lout resistor programming (*14) Output voltage monitor Output current monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O Power supply OK #1 signal C. U/CC signal C. U/CC signal C. LOCAL/REMOTE Analog control E. LOCAL/REMOTE Analog signal C. LOCAL/REMOTE Analog signal C. NABLE/DISABLE signal C. THTERLOCK (ILC) control Programmed signals D. TAISGER IN / TRIGGER OUT signals D. DAISY_IN/SO control signal O. DAISY_OUT/PS_OK #2 signal UNCTIONS AND FEATURES Parallel operation C. Series operation Constant power control Output resistance control		0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~100~10 0	V or 0~10V, us V or 0~10V, us V or 0~10V, us V or 0~10V, us V (J other the the V other the the V, user select V, user select D other the I and op or So the the So output I I and the So output I I and the So output I I and the V output I I and the So output I I and the So output I I and the So output I I and the So output I So output I	ser selectable. scale, user sele cale, user sele able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si- by electrical si oy electrical si oy electrical si poy electrical si able signals. 1 . Tr,Tf=1us Ma W/2~30V or d- bedance)=Fail units in Master ts. Refer to ins a proggramm Resistance ra	Accuracy and ectable. Accura- trable. Accura- y: +/-0.5% of rat- ector. Output ector.	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remot ntact. 0~0.6V ntact. Remot age 25V, Max gh level input lelay betweer Refer to instrual. nchronize the gramming vi nΩ. Programm	0.15% of rated 4% of rated lou rifty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. Rr te: On. Local: C or short, 2~30 or short, 2~30 c -0.6V or sh imum sink cur voltage = 2.5V + 2 pulses 1ms. uction manua ir turn-on and a the commun ning via the co	Vout. Jt. f rated Vout. ated lout. ated lout. imum Voltag vo.060 ff. Maximum V or open. U: ort. Local: 2~: rent 100mA (S rent 100mA (S Maximum h L L turn-off. ication ports mmunication	e: 30V, Maxim Sink Current: 1 Vor short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu igh level inpu or the front pr ports or the f	0mA. cal: 2~30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel.	pen. k Current: 10r edge
Vout voltage programming .lout voltage programming (*14) .Vout resistor programming (*14) .lout resistor programming (*14) .lout resistor programming (*14) .loutput current monitor (*14) IGNALS AND CONTROLS (ISOLATED FROM THE O . Power supply OK #1 signal . CV/CC signal . LOCAL/REMOTE Analog control . LOCAL/REMOTE Analog signal . LOCAL/REMOTE Analog signal . TNTERLOCK (ILC) control . Programmed signals . TRIGGER IN / TRIGGER OUT signals . DAISY_IN/SO control signal 0. DAISY_OUT/PS_OK #2 signal UNCTIONS AND FEATURES . Parallel operation . Series operation . Series operation . Sonstant power control . Output resistance control	 	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~100~10 0~1000000000000000000000000000	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele cale, user sele able. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si- by electrical si oy electrical si oy electrical si poy electrical si able signals. 1 . Tr,Tf=1us Ma W/2~30V or d- bedance)=Fail units in Master ts. Refer to ins a proggramm Resistance ra	Accuracy and ectable. Accura- trable. Accura- y: +/-0.5% of rat- ector. Output ector.	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remot ntact. 0~0.6V ntact. Remot age 25V, Max gh level input lelay betweer Refer to instrual. nchronize the gramming vi nΩ. Programm	0.15% of rated 4% of rated lou rifty: +/-0.5% of r ty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. R te: On. Local: C or short, 2~30 e: O~0.6V or sh imum sink curr voltage = 2.5V h 2 pulses 1ms: uction manua ir turn-on and i a the commun	Vout. Jt. f rated Vout. ated lout. ated lout. imum Voltag vo.060 ff. Maximum V or open. U: ort. Local: 2~: rent 100mA (S rent 100mA (S Maximum h L L turn-off. ication ports mmunication	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu igh level inpu or the front pr ports or the f	0mA. cal: 2~30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel.	pen. k Current: 10r edge
Vout voltage programming .lout voltage programming (*14) .Vout resistor programming (*14) .Output voltage monitor .Output voltage monitor (*14) .Output current monitor (*14) .IOCALY AND CONTROLS (ISOLATED FROM THE O . Power supply OK #1 signal . CV/CC signal . LOCAL/REMOTE Analog control . LOCAL/REMOTE Analog signal . ENABLE/DISABLE signal . TNTERLOCK (tLC) control . Programmed signals . TRIGGER IN / TRIGGER OUT signals . DAISY_IN/SO control signal . O. DAISY_OUT/PS_OK #2 signal UNCTIONS AND FEATURES . Parallel operation . Series operation . Gonstant power control . Output resistance control . Silew rate control		0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~10 0~5V or 0~100~10 0~5V o	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy bable. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si by electrical si able signals. <i>1</i> voltage = 0.8V h. Tr,Tf=1us Ma W/2~30V or d- bedance)=Fail units in Maste ts. Refer to ins nected in Dais o a proggramm Resistance ra and Output f	Accuracy and ectable. Accura- transformed and accura- r: +/-0.5% of rat- ector. Output e: On. CV mode ntrol by electri gnal or dry co- gnal or dry co- taction and accurate try contact.	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo ntact. 0~0.6V ntact. Remot age 25V, Max gh level input lelay betweer leay betweer Refer to instruual. ochronize the ogramming vi O. Programm	0.15% of rated 4% of rated loi rity: +/-0.5% of r ty: +/-0.5% of r ty: +/-0.5% of r ty: +/-0.5% of r ty: -2.5% and ty: -2.5% co-0.6V or sh mum sink cur voltage = 2.5% co-0.6V or sh mum sink cur volt	Vout. Jt. f rated Vout. ated lout. imum Voltag V, Maximum S More a construction V or open. U: ort. Local: 2~: rent 100mA (S , Maximum h L turn-off. ication ports mmunication -999.99 V/mS	e: 30V, Maxim Sink Current: 1 Vor short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu igh level inpu or the front pi ports or the f ec. or A/mSec	0mA. al: 2-30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel. . Programmine	pen. k Current: 10r e edge g via the com
Vout voltage programming .lout voltage programming (*14) .Vout resistor programming (*14) .Output voltage monitor .Output voltage monitor (*14) IGNALS AND CONTROLS (ISOLATED FROM THE O . Power supply OK #1 signal . CV/CC signal . COCAL/REMOTE Analog control . LOCAL/REMOTE Analog signal . ENABLE/DISABLE signal . TNTRELCOCK (ILC) control . Programmed signals . TRIGGER IN / TRIGGER OUT signals . DAISY_IN/SO control signal . O. DAISY_OUT/PS_OK #2 signal UNCTIONS AND FEATURES . Parallel operation . Series operation . Series operation . Constant power control . Output resistance control . Silew rate control . Arbitrary waveforms	 -	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~10 0~5V or 0~100~10 0~5V o	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user sele able. Accuracy bable. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si by electrical si able signals. <i>1</i> voltage = 0.8V h. Tr,Tf=1us Ma W/2~30V or d- bedance)=Fail units in Maste ts. Refer to ins nected in Dais o a proggramm Resistance ra and Output f	Accuracy and ectable. Accura- transformed and accura- r: +/-0.5% of rat- ector. Output e: On. CV mode ntrol by electri gnal or dry co- gnal or dry co- taction and accurate try contact.	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo ntact. Remot age 25V, Max gh level input lelay betweer leay betweer Refer to instruual. ochronize the ogramming vi O. Programm	0.15% of rated 4% of rated lou rifty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. Rr te: On. Local: C or short, 2~30 or short, 2~30 c -0.6V or sh imum sink cur voltage = 2.5V + 2 pulses 1ms. uction manua ir turn-on and a the commun ning via the co	Vout. Jt. f rated Vout. ated lout. imum Voltag V, Maximum S More a construction V or open. U: ort. Local: 2~: rent 100mA (S , Maximum h L turn-off. ication ports mmunication -999.99 V/mS	e: 30V, Maxim Sink Current: 1 Vor short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu igh level inpu or the front pi ports or the f ec. or A/mSec	0mA. al: 2-30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel. . Programmine	pen. k Current: 10r e edge g via the com
Vout voltage programming .lout voltage programming (*14) .Vout resistor programming (*14) .Jout resistor programming (*14) .Joutput voltage monitor .Output voltage monitor .Output current monitor (*14) IGNALS AND CONTROLS (ISOLATED FROM THE O . Power supply OK #1 signal . CV/CC Signal . LOCAL/REMOTE Analog control . LOCAL/REMOTE Analog signal . TNTERLOCK (ILC) control . Programmed signals . TRIGGER IN / TRIGGER OUT signals . DAISY_IN/SO control signal 0. DAISY_OUT/PS_OK #2 signal UNCTIONS AND FEATURES . Parallel operation . Series operation . Constant power control . Output resistance control . Sigw rate control . Arbitrary waveforms ROGRAMMING AND READBACK (USB, LAN,	 -	0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~10 0~5V or 0~100~10 0~5V or 0~100000000000000000000000000000000000	V or 0~10V, us V or 0~10V, us V or 0~10V, us V or 0~10V, us V (suser select V, user select I e PS output I I e PS output I Soutput I Output i i dentical uni es can be con tput power to es resistance. I e Output riser ront panel. to 100 steps I	ser selectable. scale, user sele cale, user sele able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor si- by electrical si opy electrical si poy electrical si poy electrical si poy electrical si poy electrical si table signals. 1 . Tr,Tf=1us Ma W/2~30V or d- bedance)=Fail units in Master ts. Refer to insi a proggramm Resistance ra and Output f	Accuracy and ectable. Accura- retable. Accura y: +/-0.5% of rat ector. Output ector. Output ector. Output con. CV mode ntrol by electr gnal or dry co gnal or dry co system wolt ,/Minimum hig eximum, Min ec ry contact. tr/Slave mode. struction man sy chain to syr nge: 1~1000m all slew rate. P	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or liector. Remoti age 25V, Max gh level input lelay betweer . Refer to instri ual. nchronize the gramming vi nΩ. Programming cells. Activation	0.15% of rated 4% of rated lou rifty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. Ru te: On. Local: C or short, 2~30 e: 0~0.6V or sh imum sink cur voltage = 2.5V h-2 pulses 1ms. uction manua ir turn-on and a the commun ning via the co range: 0.0001-	Vout. Jt. f rated Vout. ated lout. ated lout. imum Voltag V, Maximum S Prote: 0~0.61 Maximum M V or open. U: ort. Local: 2~: rent 100mA (S ', Maximum h l. turn-off. ication ports mmunication -999.99 V/mS d via the com	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu or the front pr ports or the f ec. or A/mSec	0mA. al: 2~30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel. . Programming orts or by the	pen. k Current: 10r edge g via the com
.Vout voltage programming .Lout voltage programming (*14) .Vout resistor programming (*14) .Output voltage monitor .Output voltage monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O .Power supply OK #1 signal .CV/CC signal .CU/CL Signal .LOCAL/REMOTE Analog control .LOCAL/REMOTE Analog signal .EOCAL/REMOTE Analog signal .TOCAL/REMOTE Analog signal .DOLSY_OUT/PS_OK #2 signal .DAISY_IN/SO control signal .DAISY_OUT/PS_OK #2 signal .Parallel operation .Series operation .Daisy chain .Constant power control .Output resistance control .Selw rate control		0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 0~5V or 0~10 Power supply CV/CC Monitt Enable/Disab Enable/Disab Enable/Disab Two open dra Maximum low trigger: tw=1 By electrical \ 4~5V=OK, 0V Possible. Two Power suppli Limits the ou Emulates seri Programmab ports or the f Profiles of up	V or 0~10V, us V or 0~10V, us V or 0~10V, us V or 0~10V, us V ot 0~10V, us V ot 0~10V, us v ot 0~10V, us v select V, user select P output noni e S output 1 le PS output 1 le S output	ser selectable. scale, user selectable. scale, user selectable. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sig by electrical si oy electrical si able signals. 1 voltage = 0.8W Tr,Tf=1us Me W/2~30V-or di- bedance)=Fail- units in Master ts. Refer to insi o a proggramm Resistance ra and Output f can be stored 30	Accuracy and ectable. Accura- transformed and accura- r: +/-0.5% of rat- ector. Output e: On. CV mode ntrol by electri gnal or dry co- gnal or dry co- taction and accurate try contact.	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo ntact. Remot age 25V, Max gh level input lelay betweer leay betweer Refer to instruual. ochronize the ogramming vi O. Programm	0.15% of rated 4% of rated loi rity: +/-0.5% of r ty: +/-0.5% of r ty: +/-0.5% of r ty: +/-0.5% of r ty: -2.5% and ty: -2.5% co-0.6V or sh mum sink cur voltage = 2.5% co-0.6V or sh mum sink cur volt	Vout. Jt. f rated Vout. ated lout. imum Voltag V, Maximum S More a construction V or open. U: ort. Local: 2~: rent 100mA (S , Maximum h L turn-off. ication ports mmunication -999.99 V/mS	e: 30V, Maxim Sink Current: 1 Vor short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu igh level inpu or the front pi ports or the f ec. or A/mSec	0mA. al: 2-30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel. . Programmine	pen. k Current: 10r e edge g via the com
Nout voltage programming Nout voltage programming Nout voltage programming Nout resistor programming Nout voltage monitor Soutput current monitor Noutput current		0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 Power suppli Two open dra Maximum low trigger: tw=1 By electrical V 4~5V=0K, 0V Possible. Two Power suppli Limits the ou Possible. Two Power suppli Limits the ou ports or the f Profiles of up 10 0.05% of rate	V or 0~10V, us V or 0~10V, us /10Kohm full /10Kohm full /	ser selectable. scale, user selectable. scale, user selectable. Accuracy tor. Open coll ctor. CC model gramming co rol monitor si by electrical si able signals. 7 voltage = 0.8V h. Tr,Tf=1us Ma W/2~30V or di- bedance)=Fail units in Mastet ts. Refer to ins nected in Dais o a proggramm Resistance ra and Output f can be stored 30 age	Accuracy and ectable. Accura- transformed and accura- rest in the second accura- rest in the second accura- rest in the second accuracy and a construction accuracy and a construction accuracy and a construction accuracy and a construction accuracy accurac	linearity: +/-0 racy and lineari ated vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo ntact. 0~0.6V ntact. Remot age 25V, Max gh level input lelay between . Refer to instruual. ochronize the ogramming vi G. Programm rogramming cells. Activatio	0.15% of rated 4% of rated lou rifty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. Ru te: On. Local: C or short, 2~30 e: 0~0.6V or sh imum sink cur voltage = 2.5V h-2 pulses 1ms. uction manua ir turn-on and a the commun ning via the co range: 0.0001-	Vout. Jt. f rated Vout. ated lout. ated lout. imum Voltag V, Maximum S Prote: 0~0.61 Maximum M V or open. U: ort. Local: 2~: rent 100mA (S ', Maximum h l. turn-off. ication ports mmunication -999.99 V/mS d via the com	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu or the front pr ports or the f ec. or A/mSec	0mA. al: 2~30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel. . Programming orts or by the	pen. k Current: 10r edge g via the com
		0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 Power suppli Limits the ou Emale/Disab Two open dra Maximum low trigger: tw=1 By electrical \ 4~5V=OK, 0V Possible. Up t Possible. Up t Programmab ports or the f Programmab ports or the f Profiles of up 10 0.05% of rate 0.1% of actua	V or 0~10V, us V or 0~10V, us V or 0~10V, us V or 0~10V, us V of 0~10V, us V of 0~10V, us v output moni or. Open colle le analog pro amming cont le PS output l e PS output l le PS output l le PS output l in programm v level input v 0us minimum foltage: 0~0.6 (5000hm imp to 4 identical uni es can be con tput power tc es resistance. le 0utput rise ront panel. to 100 steps 20 d output volta	ser selectable. scale, user selectable. scale, user selectable. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sis by electrical si top electrical si table signals. I voltage = 0.8V h. Tr,Tf=1us Ma V/2~30V or di- sedance)=Fail units in Maste ts. Refer to ins nected in Dais a proggramm Resistance ra a and Output f can be stored 30 age mt+0.2% of ral	Accuracy and ectable. Accura- retable. Accura y: +/-0.5% of rat ector. Output ector. Output ector. Output con. CV mode ntrol by electr gnal or dry co gnal or dry co system wolt ,/Minimum hig eximum, Min ec ry contact. tr/Slave mode. struction man sy chain to syr nge: 1~1000m all slew rate. P	linearity: +/-0 racy and lineari ated vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo ontact. 0~0.6V ntact. Remot age 25V, Max gh level input lelay between . Refer to instruual. ochronize the ogramming vi G. Programm rogramming cells. Activatio	0.15% of rated 4% of rated lou rifty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. Ru te: On. Local: C or short, 2~30 e: 0~0.6V or sh imum sink cur voltage = 2.5V h-2 pulses 1ms. uction manua ir turn-on and a the commun ning via the co range: 0.0001-	Vout. Jt. f rated Vout. ated lout. ated lout. imum Voltag V, Maximum S Prote: 0~0.61 Maximum M V or open. U: ort. Local: 2~: rent 100mA (S ', Maximum h l. turn-off. ication ports mmunication -999.99 V/mS d via the com	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu or the front pr ports or the f ec. or A/mSec	0mA. al: 2~30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel. . Programming orts or by the	pen. k Current: 10r edge g via the com
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		0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~50 or 0~10 0~5V or 0~10 0 malog progr Enable/Disab Enable/D	V or 0~10V, us V serselect V, user select V, user select P, output t P, output t V evel input V evel	ser selectable. scale, user selectable. scale, user selectable. Accuracy tor. Open coll ctor. CC model gramming co rol monitor sii by electrical si pable signals. I voltage = 0.8V . Tr,Tf=1us Me W/2~30V or di bedance)=Fail units in Maste ts. Refer to ins nected in Dais a proggramm Resistance ra and Output f can be stored 30 age nt+0.2% of rat Itage urrent age	Accuracy and ectable. Accuracy and ectable. Accuracy and ectable. Accuracy and accuracy ector. Output ector. Output end or dry co gnal or dry co Maximum wolt , Minimum hig eximum, Min ector y contact. r/Slave mode. try contact. r/Slave mode. try contact. r/Slave mode. try contact. r/Slave mode. try contact. et al. Output et al. Out	linearity: +/-0 racy and lineari ated Vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo ontact. 0~0.6V ntact. Remot age 25V, Max gh level input lelay betweer Refer to instri ual. achronize the gramming vi fΩ. Programm trogramming cells. Activatio	0.15% of rated 4% of rated lou rifty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. Re te: On. Local: C or short, 2~3C or short, 2~3C r or short, 2~3C or short, 2~3C or short, 2~3C r or short, 2~3C or short, 2~3	Vout. Jt. f rated Vout. ated lout. ated lout. imum Voltag V, Maximum S emote: 0~0.60 Maximum M V or open. U: ort. Local: 2~: rent 100mA (S rent 100mA (S rent 100mA (S turn-off. ication ports mmunication -999.99 V/mS d via the com 100	e: 30V, Maxim Sink Current: 1 Vor short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu or the front pi ports or the f ec. or A/mSec imunication p	0mA. al: 2~30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel. . Programmine orts or by the 300	pen. k Current: 10r edge g via the com front panel
ANALOG PROGRAMMING AND MONITORING (ISOI 1.Vout voltage programming 2.lout voltage programming (*14) 3.Vout resistor programming (*14) 5.Output voltage monitor 6.Output voltage monitor 6.Output voltage monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. ENABLE/DISABLE signal 6. INTERLOCK (ItC) control 7. Programmed signals 8. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal FUNCTIONS AND FEATURES 1. Parallel operation 2. Series operation 3. Daisy chain 4. Constant power control 5. Gutput resistance control 5. Gutput resistance control 5. Gutput resistance control 6. Slew rate control 7. Arbitrary waveforms PROGRAMMING AND READBACK (USB, LAN, RS232/48S, Optional IEEE (*16) Interfaces) 1. Vout programming accuracy (*14) 3. Vout programming resolution 5. Vout readback accuracy. 6. Slowt readback accuracy. 8. Jour eadback resolution (of rated output voltage)- 8. Jour eadback resolution (of rated output voltage)-		0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~50 or 0~10 0~5V or 0~10 Power suppli 10 0.05% of rate 0.0025% of rate 0.005% of rate	V or 0~10V, us V or 10V, us v serselect V, user select V, user select I e PS output I le PS output I output serse (5000hm imp V level input V 00s minimum (oltaget 0~0.6 (5000hm imp Co 4 identical uni es can be con tes resistance, le Output rise ront panel. to 100 steps J 20 d output volta I output volta	ser selectable. scale, user selectable. scale, user selectable. Accuracy able. Accuracy tor. Open coll ctor. CC mode gramming co rol monitor sig by electrical si opy electrical si able signals. 1 voltage = 0.8W w/2~30V or di- bedance)=Fail- units in Master ts. Refer to ins a proggramm Resistance ra and Output f can be stored 30 age mt+0.2% of rall tage urrent age	Accuracy and ectable. Accura- transformed and accura- rest in the second accura- rest in the second accura- rest in the second accuracy and a construction accuracy and a construction accuracy and a construction accuracy and a construction accuracy accurac	linearity: +/-0 racy and lineari ated vout. ted lout. On: On. Outp e: Off. Maximu rical signal or llector. Remo ontact. 0~0.6V ntact. Remot age 25V, Max gh level input lelay between . Refer to instruual. ochronize the ogramming vi G. Programm rogramming cells. Activatio	0.15% of rated 4% of rated lou rifty: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max im Voltage: 30 dry contact. Ru te: On. Local: C or short, 2~30 e: 0~0.6V or sh imum sink cur voltage = 2.5V h-2 pulses 1ms. uction manua ir turn-on and a the commun ning via the co range: 0.0001-	Vout. Jt. f rated Vout. ated lout. ated lout. imum Voltag V, Maximum S Prote: 0~0.61 Maximum M V or open. U: ort. Local: 2~: rent 100mA (S ', Maximum h l. turn-off. ication ports mmunication -999.99 V/mS d via the com	e: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 igh level inpu or the front pr ports or the f ec. or A/mSec	0mA. al: 2~30V or o Maximum Sin logic. V zener) t = 5V positive anel. ront panel. . Programming orts or by the	pen. k Current: 10r edge g via the com



GENESYS[™] GH1.5kW SERIES SPECIFICATIONS

			20.75	20.50				100.15	150.10		100.01
OUTPUT RATING	GH	10-150	20-75	30-50	40-38	60-25	80-19	100-15	150-10	300-5	600-2.6
I.Rated output voltage(*1)	V	10	20	30	40	60	80	100	150	300	600
2.Rated output current (*2)	A	150	75	50	38	25	19	15	10	5	2.6
B.Rated output power	W	1500	1500	1500	1520	1500	1520	1500	1500	1500	1560
NPUT CHARACTERISTICS	V	10	20	30	40	60	80	100	150	300	600
.Input voltage/freq. (*3)			ontinuous, 47	~63Hz,Single	Phase						
2. Maximum Input current at 100% load (100/200)	A	18.5/9									
3.Power Factor (Typ)				ac, rated outp		07/00	07/00	00/00	00/00	00/00	00/00
4.Efficiency at 100 Vac/200Vac, rated output (*19) 5.Inrush current (*5)	% A	86/88 Less than 50/	87/89	87/89	87/89	87/89	87/89	88/90	88/90	88/90	88/90
			4								
CONSTANT VOLTAGE MODE	V	10	20	30	40	60	80	100	150	300	600
.Max. Line regulation (*6)		0.01% of rate	d output volta	age							
.Max. Load regulation (*7)		0.01% of rate	d output volta	age +2mV							
Ripple and noise (p-p, 20MHz) (*8)	mV	50	50	50	60	60	75	130	75	180	500
Ripple r.m.s. 5Hz~1MHz (*8)	mV	6	6	6	7	7	8	30	20	45	100
.Temperature coefficient	PPM/°C	50PPM/°C fro	m rated outpu	it voltage, follo	owing 30 minu	ites warm-up.					
Temperature stability		0.01% of rate	d Vout over 8	hrs interval fo	llowing 30 mi	nutes warm-u	p. Constant lir	ne, load & ten	np.		
Warm-up drift		Less than 0.0	1% of rated ou	utput voltage-	+2mV over 30	minutes follo	wing power or	n.			
Remote sense compensation/wire (*10)	V	5 2	2	5	5	5	5	5	5	5	
Up-prog. Response time (*11) 0.Down-prog.response time:	mS	40 20	20	20	20	20	20	20	30	30	
Full load (*12)	mS	80 20	20	20	30	30	50	50	60	70	
No load (*12)	mS	3000300	500	600	900	1200	1300	1700	2200	2700	
	mS						a load change				t set-point: 10
1.Transient response time			-			•	-		aleu output C	urrent. Outpu	. set-point: 10
2.Start up delay	Sec			, for models u	p to and inclu	aing 100v. 2n	nS, for models	above 100V.			
3.Hold-up time	mS	Less than 6 S		2011-							
ONSTANT CURRENT MODE	V	20ms typical, 10	rated output 20	power 30	40	60	80	100	150	300	600
.Max. Line regulation (*6)			d output curre		40	00	00	100	150	300	000
.Max. Line regulation (*6)			d output curr								
	₽₽₩А		≤130	≤100	≤60	≤50	≤30	≤40	≤10	≤8	≤5
Ripple r.m.s. @ rated.yoltage. B.W 5Hz~1MHz. (*13)	PPM/*C		1	m rated outpu				540	510	≤0	52
.Temperature stability				n rated output	· · ·	5					
. Warm-up drift						-	p. Constant lir	a load & ton	poraturo		
		0.0170 01 1010	a lout over or	irs. intervario		iutes waini-u	p. constant in	ie, ioau à ten	iperature.		
				n 1/0.25% of			0 minutos folk	wing nowor	00		
				n +/-0.25% of .15% of rated			0 minutes follo utes following	owing power power on.	on.		
				n +/-0.25% of .15% of rated			0 minutes follo utes following	owing power power on.	on.		
NALOG PROGRAMMING AND MONITORING (ISOI	ATED F	10V~100V m 150V~600V:1	odel: Less thai Less than +/-0	n +/-0.25% of .15% of rated			0 minutes follo utes following	owing power power on.	on.		
	ATED F	10V~100V m 150V~600V: I	odel: Less that Less than +/-0 TPUT)		rated output o	urrent over 3 t over 30 min	0 minutes follo utes following 0.15% of rated		on.		
Vout voltage programming	ATED F	10V~100V m 150V~600V: I ROM THE OU 0~100%, 0~5	odel: Less than Less than +/-0 TPUT) W or 0~10V, us	ser selectable.	rated output coutput coutput curren	t over 30 min		Vout.	on.		
Vout voltage programming lout voltage programming (*14)		10V~100V m 150V~600V:1 ROM THE OU 0~100%, 0~5 0~100%, 0~5	odel: Less than Less than +/-0 TPUT) V or 0~10V, us V or 0~10V, us	ser selectable. ser selectable.	Accuracy and	t over 30 min linearity: +/-0 linearity: +/-0).15% of rated	Vout. Jt.	on.		
.Vout voltage programming .lout voltage programming (*14) .Vout resistor programming		10V~100V m 150V~600V: I ROM THE OU 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5	odel: Less that Less than +/-0 TPUT) W or 0~10V, u: V or 0~10V, us i/10Kohm full	ser selectable. ser selectable. scale, user sel	Accuracy and Accuracy and Accuracy And	urrent over 3 t over 30 min linearity: +/-(linearity: +/-0. racy and linea	0.15% of rated 4% of rated lou	Vout. ut. f rated Vout.	on.		
Vout voltage programming Lout voltage programming (*14) Vout resistor programming Lout resistor programming (*14)		10V~100V m 150V~600V: I ROM THE OU 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5	odel: Less than Less than +/-0 TPUT) V or 0~10V, us S/10Kohm full /10Kohm full s	ser selectable. ser selectable. scale, user sel	Accuracy and Accuracy and Accuracy and ectable. Accuracy	urrent over 3 t over 30 min linearity: +/-0. racy and linearicy and linearicy	0.15% of rated 4% of rated lou rity: +/-0.5% o	Vout. ut. f rated Vout.	on.		
Vout voltage programming 2.lout voltage programming (*14) 3.Vout resistor programming 4.lout resistor programming (*14) 5.Output voltage monitor	 	10V~100V m 150V~600V:1 ROM THE OU 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10	odel: Less than Less than +/-0 TPUT) V or 0~10V, us V or 0~10V, us V 10Kohm full /10Kohm full SV, user select	ser selectable. ser selectable. scale, user sel scale, user sele	Accuracy and Accuracy and Accuracy and ectable. Accura ctable. Accura r: +/-0.5% of ra	linearity: +/-0. iacy and linearity: +/-0. acy and linearity and linearity and linearity and linearity and linearity and linearity ated Vout.	0.15% of rated 4% of rated lou rity: +/-0.5% o	Vout. ut. f rated Vout.	on.		
Vout voltage programming 2.lout voltage programming (*14) 3.Vout resistor programming 4.lout resistor programming (*14) 3.Output voltage monitor 5.Output current monitor (*14)	 	10V~100V m 150V~600V:1 ROM THE OU 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10	odel: Less than Less than +/-0 TPUT) V or 0~10V, us V or 0~10V, us V 10Kohm full /10Kohm full SV, user select	ser selectable. ser selectable. scale, user sel scale, user sele able. Accuracy	Accuracy and Accuracy and Accuracy and ectable. Accura ctable. Accura r: +/-0.5% of ra	linearity: +/-0. iacy and linearity: +/-0. acy and linearity and linearity and linearity and linearity and linearity and linearity ated Vout.	0.15% of rated 4% of rated lou rity: +/-0.5% o	Vout. ut. f rated Vout.	on.		
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Vout voltage programming .lout voltage programming (*14) .Vout resistor programming (*14) .Jout resistor programming (*14) .Joutput voltage monitor .Output voltage monitor .TOCAL/REMOTE Analog control . LOCAL/REMOTE Analog signal . DAISY_IN/SO control signal 0. DAISY_OUT/PS_OK #2 signal UNCTIONS AND FEATURES . Parallel operation . Series operation . Constant power control . Output resistance control . Slew rate control . Arbitrary waveforms ROGRAMMING AND READBACK (USB, LAN, IS232/485, Optional IEEE (*18) Interfaces) .Vout programming accuracy (*14) Vout programming resolution .lout programming resolution	 	10V100V m 150V600V:1 ROM THE OU 0~100%, 0~5 0~100%, 0~5 0~5V or 0~10 0~5V or 0~10 0 0~5V or 0~10 0 0~5V or 0~10 0 0~5V or 0~10 0 0 0 V/C/C Monit Enable/Disab Enab	odel: Less than Less than +/-0 TPUT) V or 010V, u: V or 2010V, u: V or 20-	ser selectable. scale, user selectable. scale, user selectable. scale, user selectable. Accuracy able. Accuracy tor. Open colli- ctor. CC mode gramming co- rol monitor sig by electrical si pable signals. N voltage = 0.8V . Tr,Tf=1us Ma V/2~30V or di- bedance)=Fail- units in Maste ts. Refer to ins nected in Dais a proggramm Resistance rai and Output fi- can be stored. 30 age nt+0.2% of rat tage urrent	rated output curren output curren Accuracy and Accuracy and Accuracy and ctable. Accuracy r: +/-0.5% of rat ector. Output ector. Output ector. Output con CV mode ntrol by electr gnal or dry co gnal or dry co gnal or dry co gnal or dry co Maximum volt ,Minimum hig eximum, Min c ry contact. r/Slave mode. truction manie sy chain to syr nead value. Pro nead value. Pro	Ilinearity: +/-0 Ilinearity: +/-0 acy and linearity: +/-0 acy and linearity: +/-0 acy and linearity: +/-0 acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity ted lout. On: On. Output is off. Maximu ical signal or lector. Remote age 25V, Max h level input lector. Remote age 25V, Max h level input lelay between Refer to instri jal. chronize theig gramming via O. Programming cells. Activation 60	0.15% of rated 4% of rated lou rity: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max m Voltage: 30 dry contact. Re e: On. Local: C or short, 2~3C or short, 2~3C or short, 2~3C or short, 2~3C or short, 2~3C ut on short, 2~3C or shor	Vout. it. f rated Vout. ated lout. imum Voltag V, Maximum V or open. U ort. Local: 2~ rent 100mA (', Maximum h L turn-off. ication ports mmunicatior -999.99 V/mS	je: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. 30V or open. Shunted by 27 high level inpu or the front p. h ports or the f Sec. or A/mSec	IOMA. cal: 2~30V or c Maximum Sin logic. 7V zener) tt = 5V positive anel. front panel. . Programmin ports or by the	ppen. k Current: 10r e edge g via the com front panel.
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Nout voltage programming Nout voltage programming (*14) Nout resistor programming (*14) Nout resistor programming (*14) Soutput voltage monitor Soutput voltage monitor Soutput current monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O Power supply OK #1 signal CV/CC signal LOCAL/REMOTE Analog control LOCAL/REMOTE Analog signal COAL/REMOTE Analog signal S. ENABLE/DISABLE signal TNTERLOCK (ILC) control Programmed signals TRIGGER IN / TRIGGER OUT signal DAISY_IN/SO control signal COALSY_OUT/PS_OK #2 signal COALSY_OUT/PS_OK #2 signal COALSY_OUT/PS_OK #2 signal COALSY_COUT/PS_OK #2 signal COALSY_COUT/P	 	10V100V m 150V600V:1 ROM THE OU 0~100%, 0~5 0~100%, 0~5 0~200%, 0~5 0~5V or 0~10 0~5V or 10 0~5V or 10	odel: Less than Less than +/-0 TPUT) V or 0~-10V, us V or 010V, us V or 10V, user select V, user select V	ser selectable. scale, user selectable. scale, user selectable. scale, user selectable. scale, user selectable. Accuracy tor. Open colli- tor. Open colli- ctor. CC modectable. gramming co rol monitor signitistic signals. No voltage = 0.8V V/2~30V-or driver scale signals. No voltage = 0.8V V/2~30V-or driver scale signals. No sected in Dais a proggramm. Resistance raises and Output from can be stored. 30 age mt+0.2% of rational tage to sected the sected signals. Scale stored. 30 Scale stored.	rated output curren output curren Accuracy and Accuracy and Accuracy and Accuracy and table. Accura r: +/-0.5% of rat ector. Output :: On. CV mode ntrol by electr gnal. Open col gnal or dry co gnal or dry co gnal or dry co gnal or dry co daximum volt ,Minimum hig eximum, Min d ry contact. r/Slave mode. truction mani- sy chain to syr nge: 1~1000r all slew rate. Pro in 4 memory of 40 ed output cur	linearity: +/-0. acy and linearity:	0.15% of rated 4% of rated lou rity: +/-0.5% of r ity: +/-0.5% of r ut Off: Off. Max m Voltage: 30 dry contact. Re e: On. Local: C or short, 2~3C e: O0.6V or sh mum sink curr voltage = 2.5V -2 pulses 1ms. uction manual r turn-on and ' the commun ing via the co range: 0.0001- in by comman 80	Vout. it. f rated Vout. ated lout. imum Voltag V, Maximum Prote: 0~0.6 off. Maximum V or open. U ort. Local: 2~ rent 100mA (', Maximum h l. turn-off. ication ports mmunicatior -999.99 V/mS d via the com 100	Je: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. Shunted by 27 high level inpu or the front p. h ports or the f fisec. or A/mSec humunication p	IOMA. cal: 2~30V or of Maximum Sin logic. 7V zener) tt = 5V positive anel. ront panel. .: Programmin ports or by the 300	ppen. ak Current: 10r e edge g via the com front panel. 600
ANALOG PROGRAMMING AND MONITORING (ISOI 1. Vout voltage programming 2. Lout voltage programming (*14) 3. Vout resistor programming (*14) 5. Output voltage monitor 5. Output voltage monitor 5. Output voltage monitor (*14) SIGNALS AND CONTROLS (ISOLATED FROM THE O 1. Power supply OK #1 signal 2. CV/CC signal 3. LOCAL/REMOTE Analog control 4. LOCAL/REMOTE Analog signal 5. INTERLOCK (ILC) control 7. Programmed signals 3. TRIGGER IN / TRIGGER OUT signals 9. DAISY_IN/SO control signal 10. DAISY_OUT/PS_OK #2 signal 7. Parallel operation 2. Series operation 3. Jaisy chain 4. Constant power control 5. Soltw rate control 5. Silw rate control 5. Soltw rate control 5. Output resistance control 5. Soltw rate contr	 	10V100V m 150V600V:1 ROM THE OU 0~100%, 0~5 0~100%, 0~5 0~200%, 0~5 0~5V or 0~10 0~5V or 0~10 0~	odel: Less than Less than +/-0 TPUT) V or 0~-10V, us V or 010V, us V or 10V, us V	ser selectable. scale, user selectable. scale, user sele scale, user sele able. Accuracy able. Accuracy tor. Open colli- tor. Open colli- tor. CC mode gramming co rol monitor sig by electrical si py electrical	rated output curren output curren Accuracy and Accuracy and Accuracy and ctable. Accuracy r: +/-0.5% of rat ector. Output ector. Output ector. Output con CV mode ntrol by electr gnal or dry co gnal or dry co gnal or dry co gnal or dry co Maximum volt ,Minimum hig eximum, Min c ry contact. r/Slave mode. truction manie sy chain to syr nead value. Pro nead value. Pro	Ilinearity: +/-0 Ilinearity: +/-0 acy and linearity: +/-0 acy and linearity: +/-0 acy and linearity: +/-0 acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity acy and linearity ted lout. On: On. Output is off. Maximu ical signal or lector. Remote age 25V, Max h level input lector. Remote age 25V, Max h level input lelay between Refer to instri jal. chronize theig gramming via O. Programming cells. Activation 60	0.15% of rated 4% of rated lou rity: +/-0.5% of r ty: +/-0.5% of r ut Off: Off. Max m Voltage: 30 dry contact. Re e: On. Local: C or short, 2~3C or short, 2~3C or short, 2~3C or short, 2~3C or short, 2~3C ut on short, 2~3C or shor	Vout. it. f rated Vout. ated lout. imum Voltag V, Maximum V or open. U ort. Local: 2~ rent 100mA (', Maximum h L turn-off. ication ports mmunicatior -999.99 V/mS	je: 30V, Maxim Sink Current: 1 V or short. Loc Voltage: 30V, ser selectable 30V or open. 30V or open. Shunted by 27 high level inpu or the front p. h ports or the f Sec. or A/mSec	IOMA. cal: 2~30V or c Maximum Sin logic. 7V zener) tt = 5V positive anel. front panel. . Programmin ports or by the	ppen. k Current: 10r e edge g via the com front panel.



GENESYS[™] GH1kW/1.5kW SERIES SPECIFICATIONS

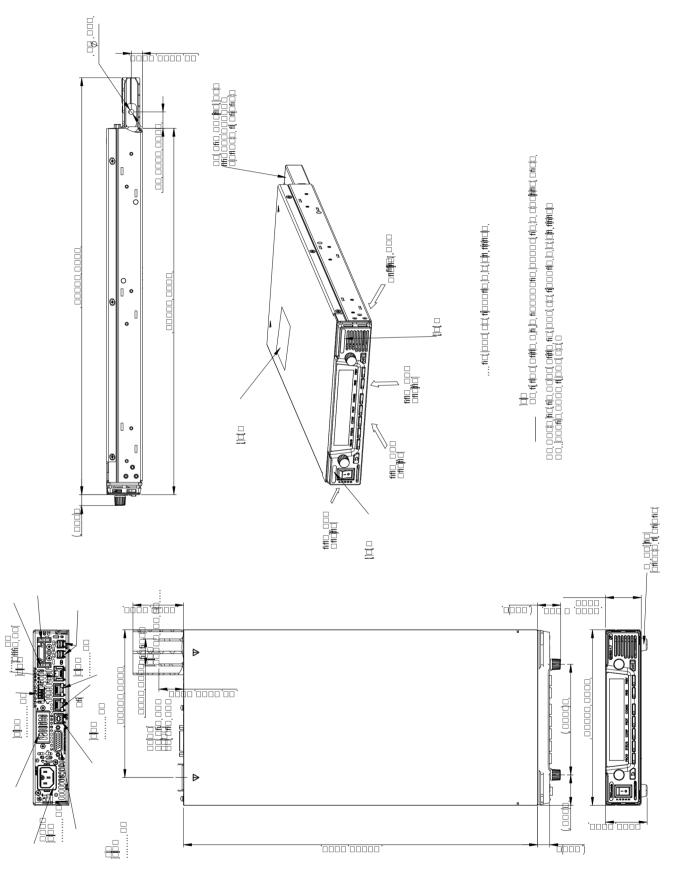
PROTECTIVE FUNCTIONS		V	10	20	30	40	60	80	100	150	300	600
1.Foldback protection									o CC mode or by OUTPUT b			CV mode. communication
2.Over-voltage protection (OVP	P)		Output shut-	lown. Reset	by AC input r	ecvcle in auto	start mode, b	v OUTPUT bu	tton, by rear p	anel or by co	mmunication	۱.
3.Over -voltage programming ra		V	0.5~12	1~24	2~36	2~44.1	5~66.15			5~165.37		
 Over-voltage programming a 			+/-1% of rate	l output volt	age							
5.Output under voltage limit (U								g programmi	ng. Preset by	front panel or	communicat	tion port.
6.Over temperature protection			Shuts down t				node.					
7. Output under voltage limit (U			Prevents adju	stment of Vo	out below lim	it.						
8. Output under voltage protect	tion (UVP)		Prevents adju Power Switch					•	age conditior	. Reset by AC	input recycle	in autostart m
FRONT PANEL				-	· · · ·							
1.Control functions			Multiple opti	ons with 2 Er	coders							
1.control functions			Vout/lout/Po									
			OVP/UVL/UVI									
			Protection Fu									
						of LAN, IEEE, RS	232,RS485,US	B or Optiona	communicat	ion interface.		
			Output ON/O									
									tion languag			
			Analog Contr Analog Monit						K/ TUK progra	nming		
			Vout: 4 digits									
2.Display			lout: 4 digits,									
								ON,CONFIGU	RATION, SYST	EM, SEOUENO	ER.	
3.Front Panel Buttons Indication	ns						· · ·					Remote (comm
			RS/USB/LAN/					em, Address,	Li i , Autostai	t, Jaretstart, i	oluback v/l, l	nemote (comm
4. Front Panel Display Indication	ns				incution, mg	Jei, 2000, 500	c ccm					
ENVIRONMENTAL CONDITION	5		0~50°C, 100%	laad								
1.Operating temperature			-30~85°C	ioau.								
2.Storage temperature												
3.Operating humidity		%	20~90% RH (I		,							
3.Operating humidity		%	10~95% RH (I	io condensa	tion).							
3.Operating humidity 4.Storage humidity			10~95% RH (I	io condensa	tion).	rrent derating	2%/100m or	Ta derating 1	°C/100m abo	ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude		%	10~95% RH (I	io condensa	tion).	rrent derating	2%/100m or	Ta derating 1	°C/100m abo	ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL		%	10~95% RH (i Operating: 10	io condensa 000ft (3000r	tion). n), output cui	-		-		ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling		% 	10~95% RH (i Operating: 10 Forced air coo	o condensa 000ft (3000r ling by inter	tion). n), output cui	-		-		ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight		%	10~95% RH (i Operating: 10	o condensa 000ft (3000r ling by inter	tion). n), output cui	-		-		ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight		% 	10~95% RH (i Operating: 10 Forced air coo	io condensa 000ft (3000r ling by inter g.	n), output cui nal fans. Air f	low direction:	from Front p	-		ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD)		% kg	10~95% RH (i Operating: 10 Forced air coo Less than 3.51 W: 214, H: 43.	io condensa 000ft (3000r lling by inter g. i, D: 432 (Wit	n), output cur nal fans. Air f hout busbars	low direction: and busbars c	from Front p	anel to powe	r supply rear	ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration		% kg	10~95% RH (i Operating: 10 Forced air coo Less than 3.51 W: 214, H: 43.0 W: 214, H: 43.0	io condensa 000ft (3000r lling by inter g. , D: 432 (Wit <u>, D: 493 (Incl</u>	n), output cui nal fans. Air f hout busbars uding busbar	low direction: and busbars c s and busbars	from Front p over), cover) (Refer	anel to powe	r supply rear	ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock		% kg	10~95% RH (Operating: 10 Forced air coo Less than 3.5 W: 214, H: 43. W: 214, H: 43. MIL-810G, me	o condensa 000ft (3000r ling by inter g. i, D: 432 (Wit i, D: 493 (Incl thod 514.6, f	n), output cui nal fans. Air f hout busbars uding busbar Procedure I, te	low direction: and busbars c s and busbars est condition /	from Front p over), cover) (Refer	anel to powe	r supply rear	ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC		% kg mm	10~95% RH (i Operating: 10 Forced air coo Less than 3.51 W: 214, H: 43.0 W: 214, H: 43.0	o condensa 000ft (3000r ling by inter g. i, D: 432 (Wit i, D: 493 (Incl thod 514.6, f	n), output cui nal fans. Air f hout busbars uding busbar Procedure I, te	low direction: and busbars c s and busbars est condition /	from Front p over), cover) (Refer	anel to powe	r supply rear	ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards:		% kg mm 	10~95% RH (I Operating: 10 Forced air coo Less than 3.51 W: 214, H: 43.1 W: 214, H: 43.1 MIL-810G, me Less than 200	o condensa 000ft (3000r lling by inter g. b, D: 432 (Wit b, D: 493 (Incl thod 514.6, f , half sine, 11	tion). n), output cui nal fans. Air f hout busbars uding busbar Procedure I, te imSec. Unit is	low direction: and busbars c s and busbars est condition / unpacked.	from Front p over), cover) (Refer Annex C - 2.1.2	anel to powe	r supply rear	ve 2000m. No	n operating:	40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification	Safety GH1kW/1.5kW	% kg mm	10~95% RH (Operating: 10 Forced air coo Less than 3.51 W: 214, H: 43.1 W: 214, H: 43.1 MiL-810G, me Less than 20G	o condensa 000ft (3000r ling by inter g. b, D: 432 (Wit hod 514.6, f , half sine, 11 A22.2 No. 61	tion). n), output cui nal fans. Air f hout busbars vocedure I, te imSec. Unit is 010-1, IEC610	low direction: and busbars c s and busbars est condition / unpacked. 110-1, EN6101	from Front p over), cover) (Refer Anne x C - 2.1.2 D-1.	anel to powe to Outline dra	r supply rear wing).			40000ft (12000
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock S.AFETY/EMC 1.Applicable standards: 1.1.Interface classification	Safety GH1kW/1.5kW GH1kW/1.5kW	% kg mm 	10~95% RH (i Operating: 10 Forced air coo Less than 3.51 W: 214, H: 43. W: 214, H: 43. MiL-810G, me Less than 200 UL61010-1, Ct Vout≤50V Mo 60≤Vout≤600	o condensa 000ft (3000r g. b, D: 432 (Wit b, D: 493 (Incl thod 514.6, f half sine, 1 A22.2 No. 61 dels: Output, V Models: Out	tion). m), output cui nal fans. Air f hout busbars uding busbar Procedure 1, te mSec. Unit is 010-1, IEC610 J1, J2, J3, J4, utput & J8 (se	low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 J5, J6, J7, J8 (sr nse) are hazar	from Front p over), cover) (Refer Annex C - 2.1.:)-1.)-1. ense) & J9 (cor dous, J1, J2, J	anel to powe to Outline dra 3.1 nmunication 3, J4, J5, J6, J7	r supply rear wing). options) are N 7 & J9 (commu	on Hazardous nication optic		
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification		% kg mm 	10~95% RH (i Operating: 10 Forced air cod Less than 3.51 W: 214, H: 43. W: 214, H: 43. MiL-810G, me Less than 200 UL61010-1, C: Vout≤50V Mo Vout≤50V Mo	o condensa 000ft (3000r g. , D: 432 (Wit , D: 432 (Wit , D: 493 (Incl thod 514.6, f , half sine, 11 A22.2 No. 61 dels: Output, V Models: Or dels: Input –	tion). n), output cui mal fans. Air f hout busbars uding busbars vocedure 1, te mSec. Unit is 010-1, IEC610 J1, J2, J3, J4, . Jtput & J8 (se Output & J8 (se	low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 J5, J6, J7, J8 (sr nse) are hazar	from Front p over), cover) (Refer Annex C - 2.1.:)-1.)-1. ense) & J9 (cor dous, J1, J2, J	anel to powe to Outline dra 3.1 nmunication 3, J4, J5, J6, J7	r supply rear wing). options) are N	on Hazardous nication optic		
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification		% kg mm 	10~95% RH (i Operating: 10 Forced air cot Less than 3.51 W: 214, H: 43. W: 214, H: 43. W: 214, H: 43. MIL-810G, me Less than 20C UL61010-1, C: Vout≤50V Mo 60≤Vout≤60C Vout≤50V Mo Input - Groun	o condensa 000ft (3000r g. , D: 432 (Wit , D: 432 (Wit , D: 433 (Incl thod 514.6, f , half sine, 11 A22.2 No. 61 dels: Output, V Models: Output, V Models: Ot	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure I, te ImSec. Unit is 010-1, IEC61C J1, J2, J3, J4, Jtput & J8 (se Output & J8 (i	low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 J5, J6, J7, J8 (sr nse) are hazar sense), J1, J2,	from Front p over), cover) (Refer Annex C - 2.1.: D-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J	anel to powe to Outline dra 3.1 nmunication 3, J4, J5, J6, J; 7 & J9 (comm	r supply rear wing). options) are N 7 & J9 (commu unication opt	on Hazardous inication opti ions): 4242VD	ns) are Non I C 1min,	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification		% kg mm 	10~95% RH (I Operating: 10 Forced air coo Less than 3.51 W: 214, H: 43.4 W: 214, H: 43.4 W: 214, H: 43.4 W: 214, H: 43.4 MIL-810G, me Less than 200 UL61010-1, C: Vout≤50V Mo 60≤Vout≤600 Vout≤50V Mo 60≤Vout≤60	o condensa 000ft (3000r g. , D: 432 (Wit , D: 432 (Wit , D: 493 (Incl thod 514.6, f , half sine, 11 A22.2 No. 61 dels: Output, V Models: Or dels: Input – 1: 2835VDC - 2: 2835VDC -	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure 1, te ImSec. Unit is 010-1, IEC610 J1, J2, J3, J4, . utput & J8 (se Output & J8 (Imin. mput – Output	low direction: and busbars of s and busbars est condition / unpacked. 010-1, EN6101 J5, J6, J7, J8 (se nse) are hazar sense), J1, J2, t & J8 (sense),	from Front p over), cover) (Refer Annex C = 2.1.3 0-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J	anel to powe to Outline dra 3.1 mmunication 3, J4, J5, J6, J7 7 & J9 (comm	r supply rear wing). options) are N & J9 (commu unication opt communicati	on Hazardous inication opti ions): 4242VD	ns) are Non I C 1min,	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock 5.Shock 5.Sheck 5.Sheck 1.Applicable standards: 1.1.Interface classification		% kg mm 	10~95% RH (i Operating: 10 Forced air coo Less than 3.51 W: 214, H: 43.1 W: 214, H: 43.1 Mit_810G, me Less than 200 UL61010-1, C: Vout≤50V Mo 60≤Vout≤10 Vout≤50V Mo 60≤Vout≤10 Input - Groun 60V≤Vout≤10 Output & J8 (s	o condensa 000ft (3000r g. , D: 432 (Wit , D: 432 (Wit , D: 433 (Wit , D: 493 (Incl thod 5146, f , half sine, 11 A22.2 No. 61 dels: Output, V Models: O dels: Input – d: 2835VDC UV Models: ense) – J1, J2	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure 1, te ImSec. Unit is 010-1, IEC610 J1, J2, J3, J4, . utput & J8 (se Output & J8 (Imin. nput – Output , J3, J4, J5, J6,	low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 J5, J6, J7, J8 (s nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr	from Front p over), cover) (Refer Annex C - 2.1.: 	anel to powe to Outline dra 3.1 mmunication 3, J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (ottions): 850VE	r supply rear wing). options) are N & J9 (commu unication opt communicati	on Hazardous inication opti ions): 4242VD	ns) are Non I C 1min,	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification		% kg mm 	10~95% RH (i Operating: 10 Forced air cod Less than 3.51 W: 214, H: 43. W: 214, H: 43. MiL-810G, me Less than 200 UL61010-1, C! Vout≤50V Mo lnput - Groun 60V≤Vut≤60 Output & J8 (s Output & J8 (s	o condensa 000ft (3000r g. , D: 432 (Witi , D: 432 (Witi , D: 493 (Incl thod 514.6, f, , half sine, 11 A22.2 No. 61 dels: Output, V Models: 0 dels: Input – ±: 2835VDC : 0V Models: 0 V Models: 1 put – ±: 2835VDC :	tion). m), output cui mal fans. Air f hout busbars uding busbars vrocedure 1, te mSec. Unit is 010-1, IEC610 J1, J2, J3, J4, . Jtput & J8 (se Output , J5, J6, nput – Output , J3, J4, J5, J6, nd: 1500VDC	low direction: and busbars of s and busbars est condition / unpacked. 110-1, EN6101 15, J6, J7, J8 (si nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr I min, Input - C	from Front p. over), cover) (Refer Annex C - 2.1.: D-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J nunication op iround: 2835V	anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (titions): 850VE /DC 1 min.	r supply rear wing). options) are N 7 & J9 (commu unication opt communicati C 1 min.	on Hazardous inication option ions): 4242VD	ons) are Non I C 1min, 242VDC 1min	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification	GH1kW/1.5kW	% kg mm 	10~95% RH (i Operating: 10 Forced air cot Less than 3.51 W: 214, H: 43. W: 214, H: 43. W: 214, H: 43. MiL-810G, me Less than 200 UL61010-1, C! Vout≤50V Mo lout<50V Mo lout<50V Mo lout<50V Mo lout<50V Mo lout<50V Mo lout<50V Mo lout<810 Output & J8 (s 100V <vout<60< td=""><td>o condensa 000ft (3000r g. , D: 432 (Wit , D: 432 (Wit , D: 493 (Incl thod 514.6, f, , half sine, 11 A22.2 No. 61 dels: Output, V Models: Ot dels: Input – d: 2835VDC 0V Models: In ense) – Grouw 00V Models:</td><td>tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure I, te ImSec. Unit is 010-1, IEC61C J1, J2, J3, J4, J1, J2, J3, J4, J1, J2, J3, J4, J1, J2, J3, J4, J2, J3, J4, J4, J5, J6, Imin. nput – Outpur i, J3, J4, J5, J6, Input – Outpur Input – Outpur</td><td>low direction: and busbars of s and busbars est condition / unpacked. 010-1, EN6101 15, J6, J7, J8 (sr nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr Imin, Input - C ut & J8 (sense</td><td>from Front p over), cover) (Refer Annex C - 2.1.: 0-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J J1, J2, J3, J4, J nunication op iround: 2835V , J1, J2, J3, J4,</td><td>anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (titons): 850VE DC 1min. J5, J6, J7 and</td><td>r supply rear wing). options) are N 7 & J9 (commu unication opt communicatio DC 1min. J9 (communi</td><td>on Hazardous inication option ions): 4242VD</td><td>ons) are Non I C 1min, 242VDC 1min</td><td>Hazardous.</td></vout<60<>	o condensa 000ft (3000r g. , D: 432 (Wit , D: 432 (Wit , D: 493 (Incl thod 514.6, f, , half sine, 11 A22.2 No. 61 dels: Output, V Models: Ot dels: Input – d: 2835VDC 0V Models: In ense) – Grouw 00V Models:	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure I, te ImSec. Unit is 010-1, IEC61C J1, J2, J3, J4, J1, J2, J3, J4, J1, J2, J3, J4, J1, J2, J3, J4, J2, J3, J4, J4, J5, J6, Imin. nput – Outpur i, J3, J4, J5, J6, Input – Outpur Input – Outpur	low direction: and busbars of s and busbars est condition / unpacked. 010-1, EN6101 15, J6, J7, J8 (sr nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr Imin, Input - C ut & J8 (sense	from Front p over), cover) (Refer Annex C - 2.1.: 0-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J J1, J2, J3, J4, J nunication op iround: 2835V , J1, J2, J3, J4,	anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (titons): 850VE DC 1min. J5, J6, J7 and	r supply rear wing). options) are N 7 & J9 (commu unication opt communicatio DC 1min. J9 (communi	on Hazardous inication option ions): 4242VD	ons) are Non I C 1min, 242VDC 1min	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification	GH1kW/1.5kW	% kg mm 	10~95% RH (i Operating: 10 Forced air cod Less than 3.51 W: 214, H: 43. W: 214, H: 43. MiL-810G, me Less than 200 UL61010-1, C! Vout≤50V Mo lnput - Groun 60V≤Vut≤60 Output & J8 (s Output & J8 (s	o condensa 000ft (3000r g. t, D: 432 (Wit f, D: 493 (Incl thod 514.6, f, half sine, 11 A22.2 No. 61 dels: Output, V Models: Output, V Models: Input – d: 2835VDC OV Models: In ense) – Grouw 00V Models:	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure I, te ImSec. Unit is 010-1, IEC61C J1, J2, J3, J4, J1, J2, J3, J4, J1, J2, J3, J4, J1, J2, J3, J4, J2, J3, J4, J4, J5, J6, Imin. nput – Outpur i, J3, J4, J5, J6, Input – Outpur Input – Outpur	low direction: and busbars of s and busbars est condition / unpacked. 010-1, EN6101 15, J6, J7, J8 (sr nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr Imin, Input - C ut & J8 (sense	from Front p over), cover) (Refer Annex C - 2.1.: 0-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J J1, J2, J3, J4, J nunication op iround: 2835V , J1, J2, J3, J4,	anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (titons): 850VE DC 1min. J5, J6, J7 and	r supply rear wing). options) are N 7 & J9 (commu unication opt communicatio DC 1min. J9 (communi	on Hazardous inication option ions): 4242VD	ons) are Non I C 1min, 242VDC 1min	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification	GH1kW/1.5kW	% kg mm 	10~95% RH (i Operating: 10 Forced air cot Less than 3.51 W: 214, H: 43. W: 214, H: 43. W: 214, H: 43. MiL-810G, me Less than 200 UL61010-1, C! Vout≤50V Mo lout<50V Mo lout<50V Mo lout<50V Mo lout<50V Mo lout<50V Mo lout<50V Mo lout<810 Output & J8 (s 100V <vout<60< td=""><td>o condensa 0000ft (3000r g. , D: 432 (Wit , D: 493 (Incl thod 514.6, f , half sine, 1: A22.2 No. 61 dels: Output, V Models: Output, V Models: Input – d: 2835VDC 0V Models: In ense) - J1, J2 ense) - J1, J2</td><td>tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure 1, te ImSec: Unit is 010-1, IEC61C J1, J2, J3, J4, J1, J2, J3, J4, J2, J4, J5, J6, md: 1500VDC</td><td>low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 15, J6, J7, J8 (sd nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr I min, Input - C I w & J8 (sense J7 & J9 (comr</td><td>from Front p over), cover) (Refer Annex C - 2.1.: 0-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J J1, J2, J3, J4, J nunication op iround: 2835V , J1, J2, J3, J4,</td><td>anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (titons): 850VE DC 1min. J5, J6, J7 and</td><td>r supply rear wing). options) are N 7 & J9 (commu unication opt communicatio DC 1min. J9 (communi</td><td>on Hazardous inication option ions): 4242VD</td><td>ons) are Non I C 1min, 242VDC 1min</td><td>Hazardous.</td></vout<60<>	o condensa 0000ft (3000r g. , D: 432 (Wit , D: 493 (Incl thod 514.6, f , half sine, 1: A22.2 No. 61 dels: Output, V Models: Output, V Models: Input – d: 2835VDC 0V Models: In ense) - J1, J2 ense) - J1, J2	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure 1, te ImSec: Unit is 010-1, IEC61C J1, J2, J3, J4, J1, J2, J3, J4, J2, J4, J5, J6, md: 1500VDC	low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 15, J6, J7, J8 (sd nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr I min, Input - C I w & J8 (sense J7 & J9 (comr	from Front p over), cover) (Refer Annex C - 2.1.: 0-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J J1, J2, J3, J4, J nunication op iround: 2835V , J1, J2, J3, J4,	anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (titons): 850VE DC 1min. J5, J6, J7 and	r supply rear wing). options) are N 7 & J9 (commu unication opt communicatio DC 1min. J9 (communi	on Hazardous inication option ions): 4242VD	ons) are Non I C 1min, 242VDC 1min	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification	GH1kW/1.5kW	% kg mm 	10~95% RH (i Operating: 10 Forced air coc Less than 3.51 W: 214, H: 43.1 W: 214, H: 43.1 W: 214, H: 43.0 MIL-8106, me Less than 2000 UL61010-1, Ct Vout≤50V Mo 60≤Vout≤60V Mo Input - 50V Mo Input - 50V Mo Output & J8 (: Output & J8 (: Output & J8 (:	o condensa 000ft (3000r g. t, D: 432 (Wit t, D: 432 (Wit t, D: 493 (Incl thod 514.6, f 422.2 No. 61 dels: Output, V Models: Ol dels: Input – t: 2835VDC 0V Models: In sense) – J 1, J2 ense) – Grou 00V Models: ense) – Grou	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure 1, te ImSec. Unit is 010-1, IEC610 J1, J2, J3, J4, utput & J8 (se Output & J8 (Imin. nput – Output , J3, J4, J5, J6, nd: 1500VDC ⁺ Input – Output 1, 3, J4, J5, J6, nd: 2500VDC ⁺	low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 15, J6, J7, J8 (sd nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr I min, Input - C I w & J8 (sense J7 & J9 (comr	from Front p over), cover) (Refer Annex C - 2.1.: 0-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J J1, J2, J3, J4, J nunication op iround: 2835V , J1, J2, J3, J4,	anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (titons): 850VE DC 1min. J5, J6, J7 and	r supply rear wing). options) are N 7 & J9 (commu unication opt communicatio DC 1min. J9 (communi	on Hazardous inication option ions): 4242VD	ons) are Non I C 1min, 242VDC 1min	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification 1.2 Withstand voltage	GH1kW/1.5kW	% kg mm 	10~95% RH (i Operating: 10 Forced air cod Less than 3.51 W: 214, H: 43. W: 214, H: 43. UL61010-1, CC Vout≤50V Mo GosVout≤600 Vout≤50V Mo GosVout≤600 Vout≤50V Mo GosVout≤600 Vout≤50V Mo GosVout≤10 Output & J8 (s 0utput & J8 (s) 0utput & J8 (s)	o condensa 000ft (3000r g. , D: 432 (Witi , D: 432 (Witi) , D: 432 (Witi , D: 432 (Witi , D: 432 (Witi , D: 432 (Witi , D: 432 (Witi) , D: 43	tion). m), output cui mal fans. Air f hout busbars uding busbars uding busbar Procedure I, te Imsec. Unit is 010-1, IEC610 J1, J2, J3, J4, . J1, J2, J3, J4, . J1, J2, J3, J4, . J4, J5, J6, nd: 1500VDC Input – Outpu , J3, J4, J5, J6, nd: 2500VDC Imin.	low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 15, J6, J7, J8 (sd nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr I min, Input - C I w & J8 (sense J7 & J9 (comr	from Front p over), cover) (Refer Annex C - 2.1.3))-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J nunication op iround: 2835V , J1, J2, J3, J4, nunication op	anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (titons): 850VE DC 1min. J5, J6, J7 and	r supply rear wing). options) are N 7 & J9 (commu unication opt communicatio DC 1min. J9 (communi	on Hazardous inication option ions): 4242VD	ons) are Non I C 1min, 242VDC 1min	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification 1.2 Withstand voltage 1.3 Insulation resistance	GH1kW/1.5kW	% kg mm 	10~95% RH (i Operating: 10 Forced air cod Less than 3.51 W: 214, H: 43. W: 214, H: 43. UL61010-1, CC Vout≤50V Mo GosVout≤600 Vout≤50V Mo GosVout≤600 Vout≤50V Mo GosVout≤600 Vout≤50V Mo GosVout≤10 Output & J8 (s 0utput & J8 (s) 0utput & J8 (s)	o condensa 0000ft (3000r g. , D: 432 (Witt , D: 432 (Witt , D: 433 (Witt , D: 433 (Witt , D: 433 (Hot 514.6, f, , half sine, 11 A22.2 No. 61 dels: 10 utput, V Models: 0 V Models: 0 V Models: 0 V Models: 0 V Models: 1 V Models: 0 V Models: 0 V Models: 1 Pass) – Grou 1, J2 ense) – Grou 2: 2835VDC 2:5°C, 70%RH	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure I, te imSec. Unit is 010-1, IEC610 J1, J2, J3, J4, . J1, J2, J3, J4, . J4, J5, J6, . nct : 1500VDC ' Input – Output , J3, J4, J5, J6, . nd: : 1500VDC ' Input – Output , J3, J4, J5, J6, . nd: : 5500VDC ' Inmin.	low direction: and busbars of s and busbars est condition / unpacked. 110-1, EN6101 15, J6, J7, J8 (se nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr I min, Input - C ut & J8 (sense J7 & J9 (comr 1 min. round 500VD	from Front p over), cover) (Refer Annex C - 2.1.: D-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J5, J6, J J1, J2, J3, J4, J5, J6, J J1, J2, J3, J4, J nunication op iround: 2835V , J1, J2, J3, J4, nunication op	anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (comm 5, J6, J7 & J9 (titions): 850VE /DC 1min. J5, J6, J7 and tions): 1275V	r supply rear wing). options) are N 7 & J9 (commu unication opt communication JC 1min. J9 (communi DC 1min.	on Hazardous inication option ions): 4242VD	ons) are Non I C 1min, 242VDC 1min	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification 1.2 Withstand voltage 1.3 Insulation resistance 2.Conducted emmision	GH1kW/1.5kW	% kg mm	10~95% RH (i Operating: 10 Forced air cot Less than 3.51 W: 214, H: 43. W: 214, H: 43. W: 214, H: 43. MIL-810G, me Less than 200 UL61010-1, C: Vout≤50V Mo Input - Groun 60≤Vout≤60 Output & J8 (s 100V <vout≤6 Output & J8 (s Input - Groun Loomotha at a s Doutput & J8 (s) Input - Groun 100Mothm at IEC/EN61204</vout≤6 	o condensa 0000ft (3000r g. , D: 432 (Wit , D: 432 (Wit , D: 493 (Incl thod 514.6, f , half sine, 11 A22.2 No. 61 dels: Output, V Models: Output, V Models: Input – d: 2835VDC 0V Models: Inspit – d: 2835VDC 0V Models: Input – d: 2835VDC 00 Models: Input – d: 2835VDC 55°C, 70%H 3 Industrial 6	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure I, te ImSec. Unit is 010-1, IEC61C J1, J2, J3, J4, J Jtput & J8 (se Output & J8 (se Imin. nput – Output, J3, J4, J5, J6, nd: 1500VDC Input – Outpu J, J3, J4, J5, J6, nd: 2500VDC Imin. - Output to G environment,	low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 15, J6, J7, J8 (s(nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr Imin, Input - C ut & J8 (sense J7 & J9 (comr 1min. round 500VD Annex H table	from Front p over), cover) (Refer Annex C - 2.1.: 0-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J J1, J2, J3, J4, J J1, J2, J3, J4, J nunication op c- - H.1, FCC Pai	anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (common 5, J6, J7 & J9 (titions): 850VE /DC 1min. J5, J6, J7 and titions): 1275V	r supply rear wing). options) are N 7 & J9 (commu unication opt communication C 1min. J9 (communi DC 1min.	on Hazardous inication option ions): 4242VD	ons) are Non I C 1min, 242VDC 1min	Hazardous.
3.Operating humidity 4.Storage humidity 5.Altitude MECHANICAL 1.Cooling 2.Weight 3.Dimensions (WxHxD) 4.Vibration 5.Shock SAFETY/EMC 1.Applicable standards: 1.1.Interface classification	GH1kW/1.5kW	% kg mm 	10~95% RH (i Operating: 10 Forced air cod Less than 3.51 W: 214, H: 43.4 W: 214, H: 43.7 MiL-810G, me Less than 200 UL61010-1, C! Vout≤50V Mo Input - Groun 60≤Vout≤60 Output & J8 (i Output & J8 (i Output & J8 (i) Output & J8 (i)	o condensa 0000ft (3000r g. , D: 432 (Wit , D: 432 (Wit , D: 493 (Ind thod 514.6, f , half sine, 11 A22.2 No. 61 dels: Output, V Models: Ou dels: Input – dels: Input – de	tion). m), output cui mal fans. Air f hout busbars uding busbar Procedure 1, te ImSec. Unit is 010-1, IEC610 J1, J2, J3, J4, J J1, J2, J3, J4, J J4, J5, J6, nd: 1500VDC Input – Output , J3, J4, J5, J6, nd: 2500VDC Inin. Duput r Output to G environment, mvironment,	low direction: and busbars of s and busbars est condition / unpacked.)10-1, EN6101 15, J6, J7, J8 (s(nse) are hazar sense), J1, J2, t & J8 (sense), J7 & J9 (comr Imin, Input - C ut & J8 (sense J7 & J9 (comr 1min. round 500VD Annex H table	from Front p over), cover) (Refer Annex C - 2.1.: 0-1. ense) & J9 (cor dous, J1, J2, J J3, J4, J5, J6, J J1, J2, J3, J4, J J1, J2, J3, J4, J J1, J2, J3, J4, J nunication op c- - H.1, FCC Pai	anel to powe to Outline dra 3.1 3. J4, J5, J6, J7 7 & J9 (common 5, J6, J7 & J9 (titions): 850VE /DC 1min. J5, J6, J7 and titions): 1275V	r supply rear wing). options) are N 7 & J9 (commu unication opt communication C 1min. J9 (communi DC 1min.	on Hazardous inication option ions): 4242VD	ons) are Non I C 1min, 242VDC 1min	Hazardous.

Unless otherwise noted, specifications are warranted over the ambient temperature range of 0° to 50°C

Unless otherwise noted, specifications are warranted over the ambient temperature range of 0° to 50°C NOTES: *1: Minimum voltage is guaranteed to maximum 0.1% of rated output voltage. *2: Minimum current is guaranteed to maximum 0.2% of rated output current. *3: For cases where conformance to various safety standards (UL, IEC, etc...) is required, to be described as 100-240Vac (50/60Hz). *4: Signal and control ports interface cables length: Less than 3m, DC output power port cables length: Less than 30m. *5: Not including EMI filter inrush current, less than 0.2mSec. *6: 85-132Vac or 170-265Vac. Constant load. *7: From No-Load to Full-Load, constant input voltage. Measured at the sensing point in Remote Sense. *8: For 10V-150V models: Measured with JEITA RC-9131C (1:1) probe. For 200~600V model: Measured with 100:1 probe. *9: For load voltage change, equal to the unit voltage rating constant input voltage. *10: The maximum voltage on the power supply terminals must not exceed the rated voltage. *11: From 90% to 10% of Rated Output Voltage. *12: From 90% to 10% of Rated Output Voltage. *13: More 300% to 10% of Rated Output Voltage. *14: The Constant Current programming, readback and monitoring accuracy do not include the warm-up and Load regulation thermal drift. *15: Measured at the sensing point. *16 Max. ambient temperature for using IEEE is 40°C. *17: Tra=25°C, rated output power.

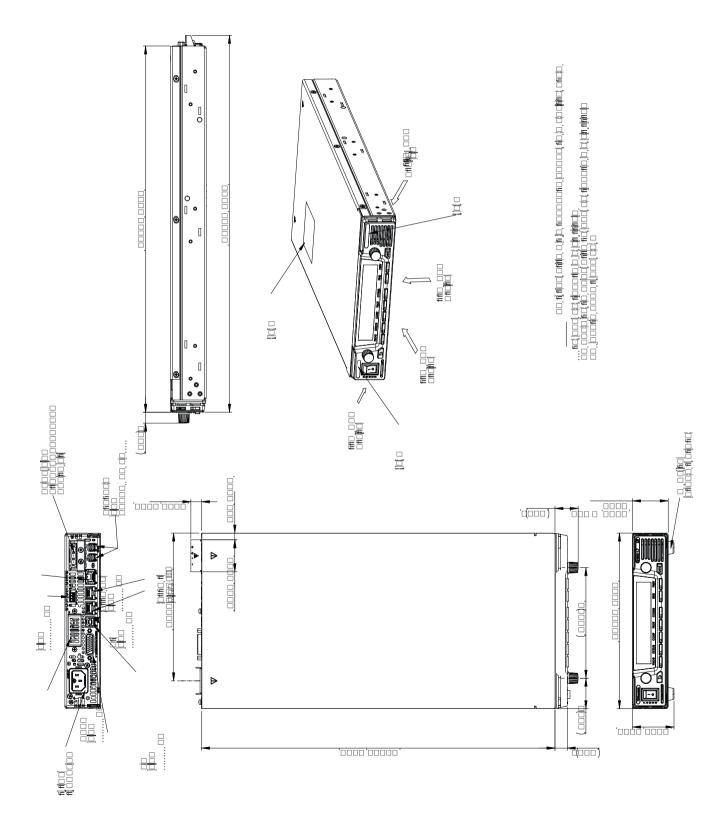


Outline Drawing <u>GENESYS</u>[™] GH1kW (10V-100V)



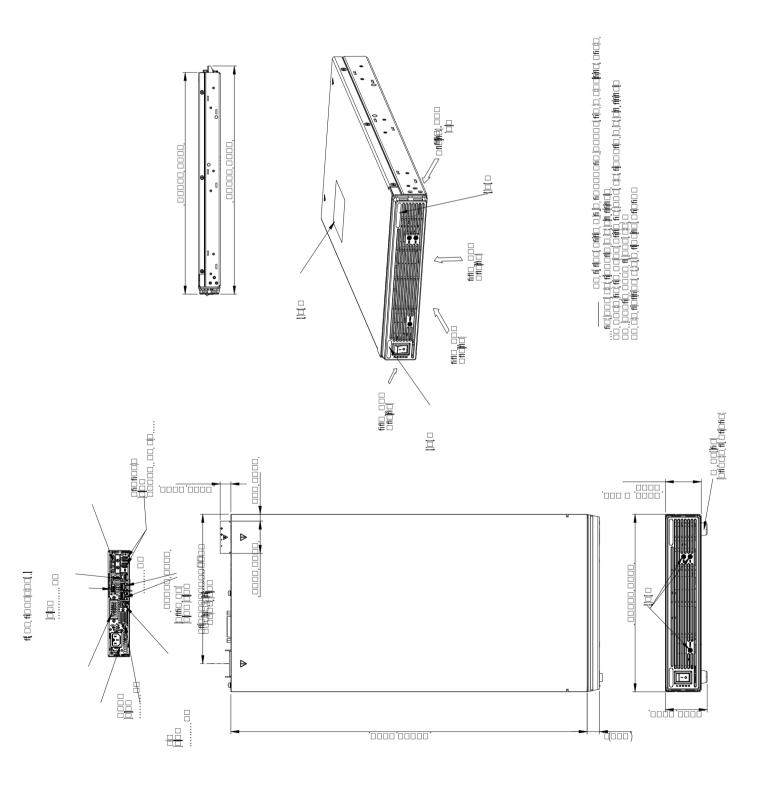


Outline Drawing GENESYS[™] GH1kW (150V-600V)



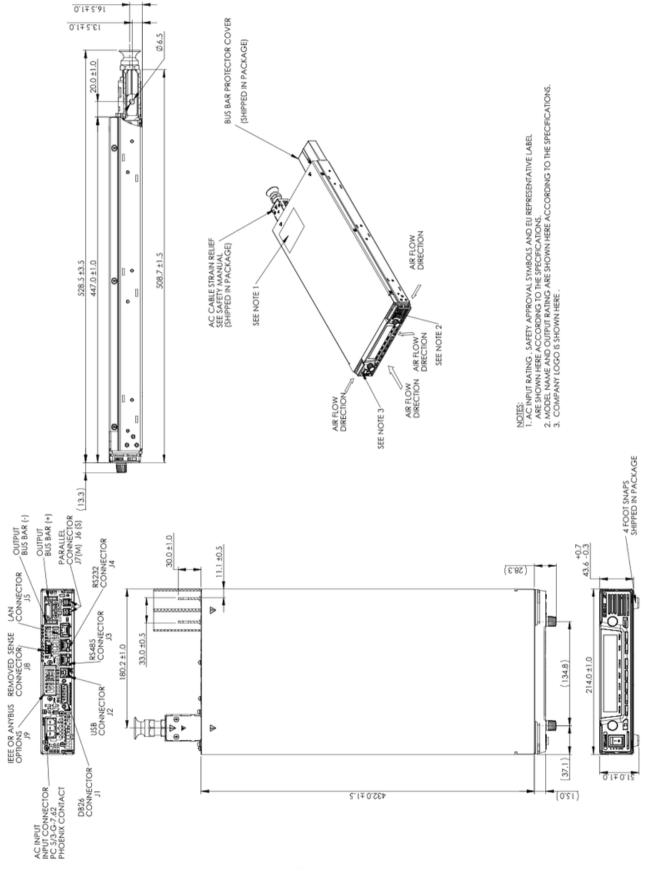


Outline Drawing <u>GENESYS</u>[™] GHB1kW



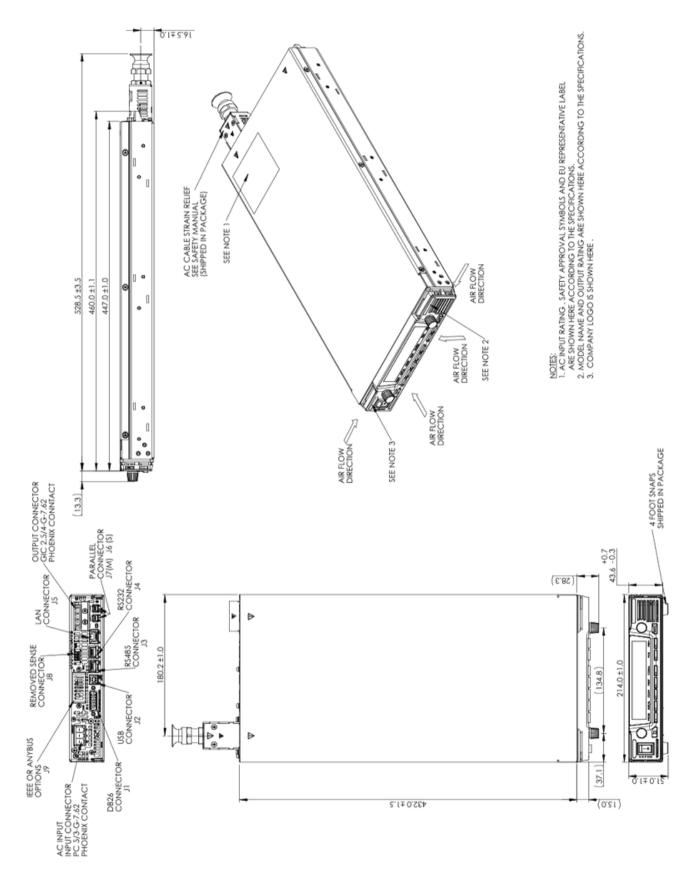


Outline Drawing GENESYS[™] GH1.5kW (10V-100V)



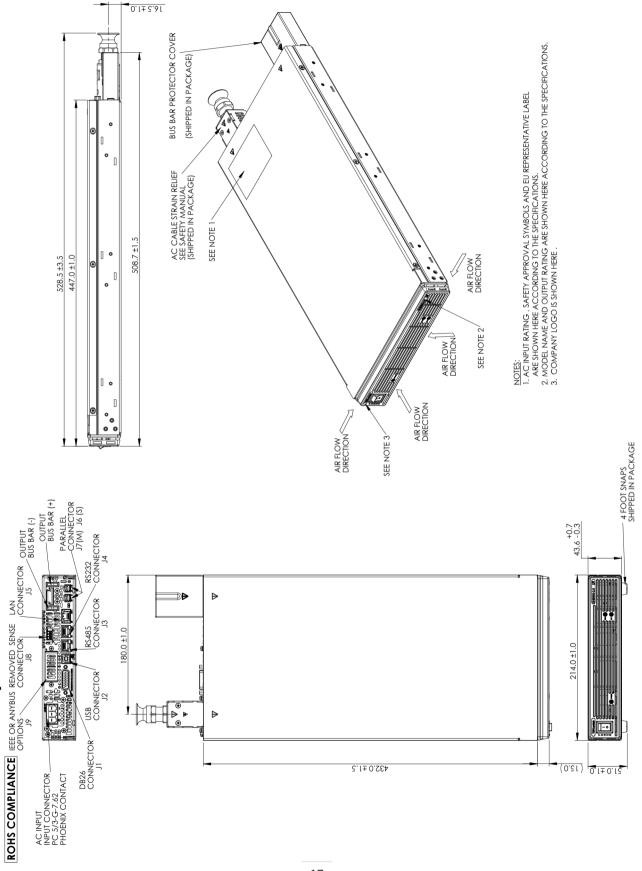


Outline Drawing GENESYS[™] GH1.5kW (150V-600V)





Outline Drawing <u>GENESYS</u>[™] GHB1.5kW





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