GenesysTM

Programmable DC Power Supplies 5kW in 2U Built in RS-232 & RS-485 Interface Advanced Parallel Operation

Optional Interface:
LXI Compliant LAN
IEEE488.2 SCPI (GPIB) Multi-drop
Isolated Analog Programming







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:

- High Power Density 5kW in 2U
- Wide Range of popular worldwide AC inputs, 3ø (208VAC, 400VAC)
- Active Power Factor Correction (Three-Phase AC Input)
- Output Voltage up to 600V, Current up to 600A
- Built-in RS-232/RS-485 Interface Standard
- Global Commands for Serial RS-232/RS-485 Interface
- Auto-Re-Start / Safe-Start: user selectable
- Last-Setting Memory
- High Resolution 16 bit ADCs & DACs
- Low Ripple & Noise
- Front Panel Lock selectable from Front Panel or Software
- Reliable Encoders for Voltage and Current Adjustment
- Constant Voltage/Constant Current auto-crossover
- Parallel Operation with Active Current Sharing; up to four identical units.
- Advanced Parallel Master / Slave. Total Current is Programmed and Measured via the Master.
- Independent Remote ON/OFF and Remote Enable/Disable
- External Analog Programming and Monitoring (user selectable 0-5V & 0-10V)
- Reliable Modular and SMT Design
- 19" Rack Mount capability for ATE and OEM applications
- Optional Interfaces

Isolated Analog Programming and Monitoring Interface (0-5V/0-10V & 4-20mA) IEEE 488.2 SCPI (GPIB) Multi-Drop

L Compliant LAN

- LabView® and LabWindows® drivers
- Five Year Warranty

Worldwide Safety Agency Approvals; CE Mark for LVD and EMC Regulation





Applications

Genesys[™] power supplies have been designed to meet the demands of a wide variety of applications. Test & Measurement systems, Component Device Testing.

Semiconductor Processing & Burn-In, Aerospace & Satellite Testing, Medical Imaging, Green Technology. System Designers will appreciate new, standard, remote programming features such as Global commands. Also, new high-speed status monitoring is available for the RS-485 bus.

Test Systems using the IEEE-488 bus may achieve significant cost savings by incorporating the Optional IEEE Multi-Drop Interface for a Master and up to 30 RS-485 Multi-Drop Slaves.

Higher power systems can be configured with up to four 5kW modules. Each module is 2U with zero space between them (zero stack).

Flexible configuration is provided by the complete Genesys™ Family: 1U 750W Half-Rack,

1U 750W, 1500W and 2400W Full-Rack. All are identical in Front Panel, Rear Panel Analog, and all Digital Interface Commands.

OEM Designers have a wide variety of Inputs and Outputs from which to select depending on application and location.



Front Panel Description



- 1. ON/OFF Switch
- 2. Air Intake allows zero stacking for maximum system flexibility and power density.
- 3. Reliable encoder controls Output Voltage, Address, OVP and UVL settings.
- 4. Volt Display shows Output Voltage and directly displays OVP, UVL and Address settings.
- 5. Reliable encoder controls Output Current, sets baudrate and Advanced Parallel mode.
- 6. Current Display shows Output Current and displays Baud rate. Displays total current in Parallel Master/ Slave Mode
- 7. Function/Status LEDs:
- Alarm Fine Control Preview Settings
- Foldback Mode
 Remote Mode
 Output On
- 8. Pushbuttons allow flexible user configuration
- Coarse and Fine adjustment of Output Voltage/Current and Advanced Parallel Master or Slave
- Preview settings and set Voltage/Current with Output OFF, Front Panel Lock
- Parallel Master/Slave
- Set OVP and UVL Limits
- Set Current Foldback Protection
- Go to Local Mode and select Address and Baud rate
- Output ON/OFF and Auto-Re-Start/Safe-Start Mode

Rear Panel Description



- 1. Remote/Local Output Voltage Sense Connections.
- 2. DIP Switches select 0-5V or 0-10V Programming and other functions.
- 3. DB25 (Female) connector allows (Non-isolated) Analog Program and Monitor and other functions.
- 4. RS-485 OUT to other Genesys™ Power Supplies.
- 5. RS-232/RS-485 IN Remote Serial Programming.
- 6. Output Connections: Rugged busbars (shown) for up to 100V Output; wire clamp connector for Outputs >100V.
- 7. Exit air assures reliable operation when zero stacked.
- 8. Input: 230VAC Single Phase (shown), 208 & 400VAC Three Phase, 50/60 Hz AC Input Connector: PHOENIX CONTACT Power Combicon PC 6/... Series with strain relief.
- 9. Optional Interface Position for IEEE 488.2 SCPI (shown) or Isolated Analog Interface or LAN Interface.



Genesys ™ 5kW Specifications

Rated output voltage(*1)	10 600 0					
State County Current 12 A 600 500 101 250 170 125 85 65 50 34 25 17 13 3.	0-10 600-8					
State of Output Power W 4800 5000 4900 5000 5100 5200 5000 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 500 5100 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200 5200	00 600					
1.1 CONSTANT VOLTAGE MODE Max 10 16 2 3 4 6 8 10 15 20 30 40 1 2 2 2 2 3 5 5 5 5 5 5 5 5 5	0 8.5					
Maxim regulation (108% of rated Vo) (**) mV 0.8 1.0 1.6 2 3 4 6 8 10 15 20 30 40 3.	00 5100					
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3Ripple and noise p.p. 20MHz (8)	60 60 60 95					
ARIDPO Prof. ARIDPO Prof. ARIDPO Prof. ARIDPO Prof. ARIDPO ARIDP	00 500					
Sement sense compensation/wire V	00 120					
Section Physic 100PPM/*C of rated output violtage following 30 minutes warm-up. Constant line, load & temp.	5 5					
	, , , ,					
BWarn-up drift						
Supprogr. Four Full-load (19) mS 15 50 80 80 100 1100 1200 1500 200 2500 300 31 31 17 response time Ms Mol-add (19) mS 400 500 600 700 800 900 1000 1100 1200 1500 2000 2500 3000 31 11 11 11 11 11						
Inspanse time	0 100					
Time for output voltage to recover within 0.5% of its rated output for a load change 10-99% of rated output current.	70 200					
1.1 1.2 CONTANT CURRENT MODE 1.2 CONTANT CURRENT M	00 3000					
Description	utput set-					
Maxilian regulation (100%) of frated lol(*11)						
2MaxQuad regulation (0.1%) of frated loi(11)						
3.8 1950 1800 1400 1000 460 300 150 120 100 90 60 30 25 2 2 2 2 2 2 2 2	5 4.25					
Less than 0.1% of rated output current over 30 minutes warm-up.	0 8.5					
	0 15					
6.7						
387-16V models: Less than ±0.5% of rated output current over 30 minutes following power On.						
1.3 PROTECTIVE FUNCTIONS						
1.3 PROTECTIVE FUNCTIONS 1.0 CP						
1.0CP						
2.0CF Foldback						
3.09P type						
4. OVP trip point	and.					
S. Output Under Voltage Limit						
1. ANALO CPROGRAMMING AND MONITORING						
1.4 ANALOG PROGRAMMING AND MONITORING 1.5						
1.Vout Voltage Programming						
2.10ut Voltage Programming (*13)						
Alout Resistor Programming (*13)						
S.On/Off control (rear panel)						
Coutput Current monitor (*13)						
Description						
S.Power Supply OK signal TTL high (4~5V) -OK, OV-Fail 500ohm series resistance. 9. CV/CC Indicator Open collector, CC mode: Off, Maximum voltage: 30V, maximum sink current: 10mA 10. Enable/Disable Dry contact. Open:off, Short: on. Max. voltage at Enable/Disable in: 6V. 11. Local/Remote analog control By electrical signal or Open/Short: 0~0.6V or short: Remote, 2~15V or open: Local. 12. Local/Remote analog control Indicator Open collector, Local: Off, Remote: On. Maximum voltage: 30V, maximum sink current: 10mA 13. Local/Remote analog control Indicator Open collector, Local: Off, Remote: On. Maximum voltage: 30V, maximum sink current: 10mA 15. FRONT PANEL Vout/lout manual adjust by separate encoders (coarse and fine adjustment selectable). OVP/UVL manual adjust by Volt. Adjust encoder. Number of addresses:31. Re-start modes (automatic restart, safe mode). Baud rate selection: 1200,2400,4800,9600 and 19,200. OVITAGE: 4 digits, Accuracy: 0.5% of rated output Voltage ±1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output Voltage ±1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output current ±1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output voltage +1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output Voltage +1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output voltage +1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output voltage +1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output voltage +1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output voltage +1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output voltage +1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output voltage +1 count. OVITAGE: 4 digits, Accuracy: 0.5% of rated output voltage +1 count. OVI						
9. CV/CC Indicator Open collector, CC mode: On, CV mode: Off, Maximum voltage: 30V, maximum sink current: 10mA						
10. Enable/Disable Dry contact. Open:off , Short: on. Max. voltage at Enable/Disable in: 6V.						
11. Local/Remote analog control By electrical signal or Open/Short: 0~0.6V or short: Remote, 2~15V or open: Local.						
12. Local/Remote analog control Indicator Open collector, Local: Off, Remote: On. Maximum voltage: 30V, maximum sink current: 10mA.						
1.5 FRONT PANEL Vout/ lout manual adjust by separate encoders (coarse and fine adjustment selectable).						
Vout/ lout manual adjust by separate encoders (coarse and fine adjustment selectable). OVP/UVL manual adjust by Volt. Adjust encoder.						
OVP/UVL manual adjust by Volt. Adjust encoder.						
1.Control functions						
Address selection by Voltage (or current) adjust encoder. Number of addresses:31. Re-start modes (automatic restart, safe mode).						
Re-start modes (automatic restart, safe mode). Baud rate selection: 1200,2400,4800,9600 and 19,200.						
Baud rate selection: 1200,2400,4800,9600 and 19,200.						
Voltage: 4 digits, Accuracy: 0.5% of rated output Voltage ±1 count.						
Current: 4 digits, Accuracy: 0.5% of rated output current ±1 count.						
3.Indications Voltage, Current, Alarm, Fine, Preview, Foldback, Local, Output On, Front Panel Lock, CVCC.						
1.6 Interface Specifications for the GENESYS Series with RS-232/RS-485 Or Optional GPIB/LAN Interface Installed 1. Remote Voltage Programming (16 bit) V 8 10 16 20 30 40 60 80 100 150 200 300 400 5 Resolution (0.012% of Vo Rated) mV 0.96 1.2 1.92 2.40 3.60 4.80 7.2 9.6 12 18 24 36 48 6 Accuracy (0.1% of Vo Rated) mV 8 10 16 20 30 40 60 80 100 150 200 300 400 5 2. Remote Current Programming (16 bit) mA 72 60 37.2 30 20.4 15 10.2 7.8 6.0 4.08 3.0 2.04 1.56 1 Accuracy (0.3% of lo Rated) mA 72 60 37.2 30 20.4 15 10.2 7.8 6.0 4.08 3.0 2.04 1.56 1 Accuracy (0.3% of lo Rated) mA 72 60 37.2 30						
1. Remote Voltage Programming (16 bit) V 8 10 16 20 30 40 60 80 100 150 200 300 400 50 Resolution (0.012% of Vo Rated) mV 0.96 1.2 1.92 2.40 3.60 4.80 7.2 9.6 12 18 24 36 48 60 Accuracy (0.1% of Vo Rated) mV 8 10 16 20 30 40 60 80 100 150 200 300 400 50 2. Remote Current Programming (16 bit)						
Resolution (0.012% of Vo Rated)	20 600					
Accuracy (0.1% of Vo Rated) mV 8 10 16 20 30 40 60 80 100 150 200 300 400 5	00 600					
2. Remote Current Programming (16 bit) Resolution (0.012% of lo Rated) mA 72 60 37.2 30 20.4 15 10.2 7.8 6.0 4.08 3.0 2.04 1.56 1 Accuracy (0.3% of lo Rated+0.1% of lo Actual Output) (*13) mA 2400 2000 1240 1000 680 500 340 260 200 136 100 68 52 4 3. Readback Voltage Resolution (0.012% of Vo Rated) mV 0.96 1.2 1.92 2.40 3.60 4.80 7.2 9.6 12 18 36 36 48 6	0 72					
Resolution (0.012% of lo Rated)	00 600					
Resolution (0.012% of lo Rated)						
Accuracy (0.3% of lo Rated+0.1% of lo Actual Output) (*13) mA 2400 2000 1240 1000 680 500 340 260 200 136 100 68 52 4 3. Readback Voltage Resolution (0.012% of Vo Rated) mV 0.96 1.2 1.92 2.40 3.60 4.80 7.2 9.6 12 18 36 36 48 60 60 60 60 60 60 60 6	.2 1.02					
3. Readback Voltage Resolution (0.012% of Vo Rated) mV 0.96 1.2 1.92 2.40 3.60 4.80 7.2 9.6 12 18 36 36 48 6	0 34					
Resolution (0.012% of Vo Rated) mV 0.96 1.2 1.92 2.40 3.60 4.80 7.2 9.6 12 18 36 36 48 6	U 34					
Resolution (0.012% of Vo Rated) mV 0.96 1.2 1.92 2.40 3.60 4.80 7.2 9.6 12 18 36 36 48 6						
	0 72					
Accuracy (0.15% Vo Rated) mV 12 15 24 30 45 60 90 120 150 225 450 600 800 10	00 1200					
1 12 10 20 10 10 120 130 220 30 000 000 10	- 1 1200					
4. Readback Current						
	.2 1.02					
	0 34					
5. OVP/UVL Programming						
Accuracy (1% of Vo Rated) mV 80 100 160 200 300 400 600 800 1000 1500 2000 3000 4000 500	00 600					

^{*1:} Minimum voltage is guaranteed to maximum 0.2% of rated output voltage.

*2: Minimum current is guaranteed to maximum 0.4% of rated output current.

*3: For cases where conformance to various safety standards (UL, IEC, etc.) is required, to be described as 190-240Vac (50/60Hz) for 3-Phase 208V models, and 380~415Vac (50/60Hz) for 3-Phase 400V models.
*4: 3-Phase 208V models: At 208Vac input voltage, 3-Phase 400V: At 380Vac input voltage. With

rated output power.
*5: Not including EMI filter inrush current, less than 0.2mSec.
*6: 3-Phase 208V models: 170~265Vac, constant load. 3-Phase 400V models: 342~460Vac, *7: From No-Load to Full-Load, constant input voltage. Maximum drop in Remote Sense.

^{*8:} For 8V~300V models: Measured with JEITA RC-9131A (1:1) probe.

For 600V model: Measured with 10:1 probe.

*9: From 10% to 90% or 90% to 10% of Rated Output Voltage, with rated, resistive load.

*10:From 90% to 10% of Rated Output Voltage.

*11: For load voltage change, equal to the unit voltage rating, constant input voltage.

*12: For 8V~16V models the ripple is measured from 2V to rated output voltage and rated output. current. For other models, the ripple is measured at $10\sim100\%$ of rated output voltage and rated output current.

*13: The Constant Current programming readback and monitoring accuracy does not include the warm-up and Load regulation thermal drift.

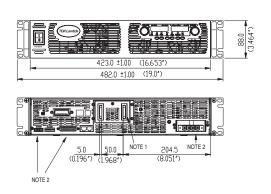


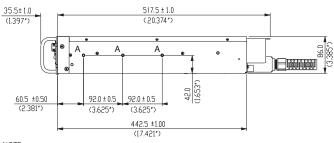
General Specifications Genesys™ 5kW

2.1 INPUT CHARACTERISTICS	GEN	8-600 10-500 16-310 20-250 30-170 40-125 60-85 80-65 100-50 150-34 200-25 300-17 400-13 500-10 600-8						
1. Input voltage/freq. (*3)		3-Phase, 208V models: 170~265Vac, 47~63Hz						
, , , , ,		3-Phase, 400V models: 342~460Vac, 47~63Hz						
2. Maximum Input 3-Phase, 208V models:		21 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22<						
current at 100% load 3-Phase, 400V models:		10.5 11 11 12 11 11 11 11 11 11 11 11 11 11						
3. Power Factor (Typ)		3-Phase models: 0.94@208/380Vac, rated output power.						
4. Efficiency (*4)	%	83 84 84 86 86 88 88 88 88 88 88 88 88 88 88						
5. Inrush Current (*5)	Α	3-Phase 208V models: Less than 50A 3-Phase 400V models: Less than 20A						
6. Hold-up time (Typ)	mS	6mSec for 3-phase 208V models, 3-Phase 400V models. Rated output power.						
2.2 POWER SUPPLY CONFIGURATION	1							
1. Parallel Operation		Up to 4 identical units in master/slave mode						
2. Series Operation		Up to 2 identical units. with external diodes. 600V Max to Chassis ground						
2.3 ENVIRONMENTAL CONDITIONS								
1. Operating temp		0~50°C, 100% load.						
2. Storage temp		-20~85°C						
3. Operating humidity		20~90% RH (non-condensing).						
4. Storage humidity		10~95% RH (non-condensing).						
5. Vibration		MIL-810F, method 514.5, The EUT is fixed to the vibrating surface.						
6. Shock		Less than 20G, half sine , 11mSec. Unit is unpacked.						
		Operating: 10000ft (3000m), Derate output current by 2%/100m above 2000m, Alternatively, derate maximum ambient temp.						
	Altitude by 1°C/100m above 2000m. Non operating: 40000ft (12000m).							
	B. RoHS Compliance Complies with the requirements of RoHS directive.							
2.4 EMC								
1. Applicable Standards:								
2.ESD IEC1000-4-2. Air-disch8KV, contact disch4KV								
3.Fast transients	IEC1000-4-4.2KV							
4.Surge immunity	IEC1000-4-5. IKV line to line, 2KV line to ground							
5.Conducted immunity								
6.Radiated immunity		IEC1000-4-3, 3V/m						
7.Magnetic field immunity		EN61000-4-8, 1A/m						
8.Voltage dips		EN61000-4-11						
9.Conducted emission		EN55022A, FCC part 15-A, VCCI-A.						
10. Radiated emission		EN55022A, FCC part 15-A, VCCI-A.						
2.5 SAFETY								
		CE Mark, UL60950,EN60950 listed. Vout≤40V:Output is SELV, IEEE/Isolated analog are SELV.						
1. Applicable standards:		40 <vout≤400v: analog="" are="" hazardous,="" ieee="" is="" isolated="" output="" selv.<="" td=""></vout≤400v:>						
		400 <vout≤600v:output analog="" are="" hazardous,="" ieee="" is="" isolated="" not="" selv.<="" td=""></vout≤600v:output>						
		Vout≤40V models :Input-Outputs (SELV): 4242VDC 1min, Input-Ground: 2828VDC 1min.						
2.Withstand voltage		40 <vout≤100v 1min,="" 1min.<="" 2600vdc="" 4242vdc="" input-haz.="" input-selv:="" models:="" output:="" td=""></vout≤100v>						
		Hazardous OutputSELV: 1900VDC 1min, Hazardous Output-Ground:1200VDC 1min. Input-Ground: 2828VDC 1min.						
		100 <vout≤600v 1min,="" 1min.<="" 4000vdc="" 4242vdc="" input-haz.="" input-selv:="" models:="" output:="" td=""></vout≤600v>						
Hazardous OutputSELV: 3550VDC 1min. Hazardous Output-Ground: 2670VDC 1min. Input-Ground: 2828VDC 1min.								
3.Insulation resistance		More than 100Mohm at 25°C, 70% RH.						
2.6 MECHANICAL CONSTRUCTION								
1. Cooling		Forced air flow: from front to rear. No ventilation holes at the top or bottom of the chassis; Variable fan speed.						
2. Dimensions (WxHxD)		W: 423mm, H: 88mm, D: 442.5mm (excluding connectors, encoders, handles, etc.)						
3. Weight		16 kg.						
4. AC Input connector (with Protective Co	over)	3-Phase, 208V & 400V models, Power Combicon PC 6-16/4-GF-10,16 series, with Strain relief.						
5.Output connectors		8V to 100V models: Bus-bars (hole Ø 10.5mm). 150V to 600V models: wire clamp connector, Phoenix P/N: FRONT-4-H-7.62						
2.7 RELIABILITY SPECS		<u> </u>						
1. Warranty		5 years.						
,		d •						

Outline Drawing Genesys™ 5kW Units

All specifications subject to change without notice.





NOTE

- 1. Bus bars for 8V to 100V models (shown)
- Wire clamp connector for 150V to 600V models
- $2. \, Plug \, connectors \, included \, with \, the \, power \, supply \,$
- 3. Chassis slides mounting holes #10-32 marked "A" GENERAL DEVICES P/N: C-300-S-116 or equivalent



Genesys™ Power Parallel and Series Configurations

Parallel operation - Master/Slave:

Active current sharing allows up to four identical units to be connected in an auto-parallel configuration for four times the output power. In Advanced Parallel Master/Slave Mode, total current is programmed and reported by the Master, Up to four supplies act as one.



Series operation

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

Remote Programming via RS-232 & RS-485 Interface

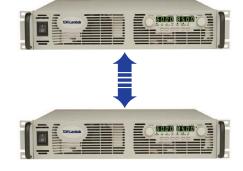
Standard Serial Interface allows daisy-chain control of up to 31 power supplies on the same communication bus with built-in RS-232 & RS-485 Interface.





• Program Current Measure Current

Current Foldback shutdown



P/N: IEEE

P/N: IS510

P/N: IS420

P/N: LAN

Programming Options (Factory installed)

Digital Programming via IEEE Interface

- IEEE 488.2 SCPI Compliant
- Program Voltage
- Measure Voltage
- Over Voltage setting and shutdown
- Error and Status Messages
- New! Multi-Drop
- Allows IEEE Master to control up to 31 slaves over RS-485 daisy-chain
- Only the Master needs be equipped with IEEE Interface

Isolated Analog Programming

Four Channels to Program and Monitor Voltage and Current.

Isolation allows operation with floating references in harsh electrical environments.

Choose between programming with Voltage or Current.

Connection via removable terminal block: Phoenix MC1,5/8-ST-3.81.

• Voltage Programming, user-selectable 0-5V or 0-10V signal. Power supply Voltage and Current Programming Accuracy ±1% Power supply Voltage and Current Monitoring Accuracy ±1.5%

Current Programming with 4-20mA signal. Power supply Voltage and Current Programming Accuracy ±1% Power supply Voltage and Current Monitoring Accuracy ±1.5%

LAN Interface

Compliant to Class C

- Address Viewable on Front Panel
- Fixed and Dynamic Addressing

• Meets all LXI-C Requirements

- Compatible with most standard Networks
- TCP / UDP Socket Programming
- VISA & SCPI Compatible
- LAN Fault Indicators
- Auto-detects LAN Cross-over Cable
- Fast Startup



Power Supply Identification / Accessories How to order

GEN	8 -	600 -		<u>-</u>
			Factory Options:	Factory AC Input Options:
Series	Output	Output	Option: IEEE	
Name	Voltage	Current	IS510	3P208 (Three Phase 170~265VAC)
	(0~8V	(0~600A)	IS420	3P400 (Three Phase 342~460VAC)
Modele	. El-14/		LAN	

Models 5kW

Model	Output Voltage VDC	Output Current (A)	Output Power (W)
GEN 8-600	0~8V	0~600	4800
GEN 10-500	0~10V	0~500	5000
GEN 16-310	0~16V	0~310	4960
GEN 20-250	0~20V	0~250	5000
GEN 30-170	0~30V	0~170	5100
GEN 40-125	0~40V	0~125	5000

Model	Output Voltage VDC	Output Current (A)	Output Power (W)
GEN 60-85	0~60V	0~85	5100
GEN 80-65	0~80V	0~65	5200
GEN 100-50	0~100V	0~50	5000
GEN 150-34	0~150V	0~34	5100
GEN 200-25	0~200V	0~25	5000
GEN 300-17	0~300V	0~17	5100
GEN 400-13	0~400V	0~13	5200
GEN 500-10	0~500V	0~10	5000
GEN 600-8.5	0~600V	0~8.5	5100

Factory option P/N

RS-232/RS-485 Interface built-in Standard **GPIB** Interface **IEEE** Voltage Programming Isolated Analog Interface IS510 Current Programming Isolated Analog Interface IS420 LAN Interface (Complies with LXI Class C) LAN

Accessories

1. Serial Communication cable

RS-232/RS-485 cable is used to connect the power supply to the Host PC.

Mode	RS-485	RS-232	RS-232
PC Connector	DB-9F	DB-9F	DB-25F
Communication Cable	Shield Ground L=2m	Shield Ground L=2m	Shield Ground L=2m
Power Supply Connector	EIA/TIA-568A (RJ-45)	EIA/TIA-568A (RJ-45)	EIA/TIA-568A (RJ-45)
P/N	GEN/485-9	GEN/232-9	GEN/232-25

2. Serial link cable*

Daisy-chain up to 31 Genesys[™] power supplies.

Mode	Power Supply Connector	Communication Cable	P/N
RS-485	EIA/TIA-568A (RJ-45)	Shield Ground L=50cm	GEN/RJ45

^{*} Included with power supply



Also available, Genesys™ 1U Half Rack 750W 1U full Rack 750W/1500W/2400W **2U full Rack 3300W**



HEIDEN power GmbH Am Wiesengrund 1 86932 Pürgen / Germany

Tel.: +49-8196-9988-0

Fax: +49-8196-998877

info@heidenpower.com

www.heidenpower.com