Genesys[™]

Programmable DC Power Supplies 750W /1500W in 1U
Built in RS-232 & RS-485 Interface Parallel Current Summing Optional Interfaces: USB

Compliant LAN IEEE488.2 SCPI Multi-Drop Isolated Analog Interface



Genesys™ Family

GEN H 750W Half Rack

GEN 1U 750/1500W Full Rack

GEN 2U 3.3/5kW

GEN 3U 10/15kW

TDK·Lambda

www.us.tdk-lambda.com/hp

The Genesys™ family of programmable power supplies sets a new standard for flexible, reliable, AC/DC power systems in Test & Measurement, Industrial and Laboratory applications.

Features include:

- High Power Density 750/1500W in 1U
- Wide Range Input (85 265Vac Continuous, single phase, 47/63Hz)
- Active Power Factor Correction (0.99 typical)
- Output Voltage up to 600V, Current up to 200A
- Built-in RS-232/RS-485 Interface
- Last Setting Memory; Front Panel Lockout
- Advanced Parallel reports total current up to four identical units
- Global Commands for Serial RS-232/RS-485 Interface
- Reliable Encoders for Voltage and Current Adjustment
- Constant Voltage/Constant Current auto-crossover
- Parallel Operation with Active Current Sharing
- Independent Remote ON/OFF and Remote Enable/Disable
- External Analog Programming and Monitoring
- Reliable Modular and SMT Design
- 19" Rack Mounted ATE and OEM applications
- Optional Interfaces

Isolated Analog Programming and Monitoring

IEEE Multi-Drop - SCPI

LXI Compliant LAN Interface

USB Interface

- Five Year Warranty
- Optional Isolated Analog Programming and Monitoring
- Optional IEEE 488.2 SCPI (GPIB) Interface

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





Applications

Genesys[™] power supplies are designed for demanding applications.

Common controls are shared across all platforms.

Test and Measurement

Last-Setting memory simplifies test design and requires no battery backup.

Built-in RS-232/RS-485 gives maximum system flexibility along with 0-5V and 0-10V, selectable analog programming. Wide range of available outputs allows testing of many different devices.

Semiconductor Processing

Equipment designers appreciate the wide range Input (85-265Vac) and numerous Outputs from which to select depending on application. Selectable Safe and Auto Re-start protects loads and process integrity.

Typical applications include Magnets, Filaments and Heaters.

Aerospace and Satellite Testing

Complex systems use the complete Genesys ™ Family: 1U 750W Half Rack, 1U 750W or 1500W Full-Rack, 2U 3.3kW and 3U 10/15kW. All are identical in Front Panel, Rear Panel Analog and Digital Interface Commands. A wide variety of outputs allows testing of many different devices.

Laser Diode

OVP is directly set on Voltage Display, assuring accurate protection settings.

Current Limit Fold Back assures load is protected from current surges.

Heater Supplies

Smooth, reliable encoders with selectable Fine and Coarse adjustment enhance Front Panel Control.

Remote Analog Programming is user selectable 0-5V or 0-10V and optional Isolated Programming/Monitoring Interfaces are also available.

RF Amplifiers and Magnets

Robust design assures stable operation under a wide variety of loads.

High linearity in voltage and current mode.

Front Panel Description



- 1. AC ON/OFF Switch
- 2. Air Intake allows zero stacking for maximum system flexibility and power density.
- 3. Reliable encoder controls Output Voltage and sets Address.
- 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 baudrate.
- 7. Function/Status LEDs:
 - Alarm
- Foldback Mode
- Fine Control
- Remote Mode
- Preview SettingsOutput On
- 8. Pushbuttons allow flexible user configuration
 - Coarse and fine Adjustment of Output Voltage/Current and Advanced Parallel Master or Slave select.
 - Preview settings and set Voltage/Current with Output OFF
 - Set OVP and UVL Limits
 - Set Current Foldback
 - Local/Remote Mode and select Address and Baudrate
 - Output ON/OFF and Auto-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 for up to 60V Output; Terminal block for Outputs >60V.
- 7. Exit air assures reliable operation when zero stacked.
- 8. Wide-Range Input 85-265VAC continuous, 47/63Hz with Active Power Factor Correction (0.99 typical) AC Input Connector: 750W (IEC320), 1500W (screw terminal-shown).
- 9. Optional Interface Position for IEEE488.2 SCPI (shown), Isolated Analog Interface, LAN Interface or USB Interface.

Genesys™ 750W/1500W Specifications

															750W	1500
1.0 MODEL	GEN	6-200		12.5-120				50-30	60-25		100-15	150-10				Х
1.Rated output voltage(*1)	V	6	8	12.5	20	30	40	50	60	80	100	150	300	600		X
2.Rated Output Current(*2)	Α	200	180	120	76	50	38	30	25	19	15	10	5	2.6		Х
3.Rated Output Power	W	1200	1440	1500	1520	1500	1520	1500	1500	1520	1500	1500	1500	1560		Х
4.Efficiency at 100/200Vac (*3)	%	77/80	78/81	81/84	83/86	83/86	84/88	84/88	84/88	84/88	84/88	84/88	83/87	83/87	Х	Х
1.0 MODEL	GEN	6-100	8-90	12.5-60	20-38	30-25	40-19		60-12.5	80-9.5	100-7.5	150-5	300-2.5	5 600-1.3	х	
1.Rated output voltage (*1)	V	6	8	12.5	20	30	40		60	80	100	150	300	600	X	
2.Rated Output Current (*2)	Α	100	90	60	38	25	19		12.5	9.5	7.5	5	2.5	1.3	х	
3.Rated Output Power	W	600	720	750	760	750	760		750	760	750	750	750	780	Х	
.1 CONSTANT VOLTAGE MODE																
1.Max.line regulation (0.01% of Vo+ 2mV)(*4)	mV	2.6	2.8	3.3	4	5	6	7	8	10	12	17	32	62	X	Х
2.Max load regulation (0.01% of Vo+2mV)(*5)	mV	2.6	2.8	3.3	4	5	6	7	8	10	12	17	32	62	x	X
3.Ripple and noise p-p 20MHz	mV	60	60	60	60	60	60	60	60	80	80	100	120	300	x	X
4.Ripple r.m.s 5Hz~1MHz	mV	8	8	8	8	8	8	8	8	8	8	10	20	60	x	X
5.Remote sense compensation/line	V	1	1	1	1	1.5	2	2	3	4	5	5	5	5	X	X
6.Temp. coefficient	PPM/°C			f rated ou	utput vol				es warm	gu i					X	Х
7.Up-prog. response time, 0~Vo Rated	mS			L , resisti							N.L/F.L , r	resistive	load	250	х	Х
8.Down-prog response time full-load	mS	10	ĺ	50				30				150		250	х	Х
9.Down-prog response time no-load	mS	500	600	700	800	900	1000	1100	100	1200	1500	2000	2500	4000	х	Х
10.Transient response time (*8)				c for mod					2msec fo	or model	s above	100V			X	Х
· · · · · · · · · · · · · · · · · · ·																
2 CONSTANT CURRENT MODE	mA	12	11	8.0	E 0	1 =	2.0		3 25	2.05	2 75	2 5	2.25	2.13	•	
1.Max.line regulation (0.01% of lo+2mA)(*4)					5.8	4.5	3.9		3.25	2.95	2.75	2.5			X	
2.Max.load regulation (0.02% of lo+5mA)(*6)	mA mA	25	23	17	12.6	10	8.8		7.5	6.9	6.5	6.0	5.5	5.26	X	
3.Ripple r.m.s 5Hz~1MHz . (*7) 4.Max.line regulation (0.01% of lo+ 2mA)(*4)	mA mA	200	180 20	120 14	76 9.6	7.0	48 5.8	5	38 4.5	29 3.9	23 3.5	18 3.0	13 2.5	2.26	X	х
		45	41	29	20.2	15	12.6	11	4.5 10	8.8	8.0	7.0	6.0	5.52	\vdash	
5.Max.load regulation (0.02% of lo+5mA)(*6) 6.Ripple r.m.s 5Hz~1MHz .(*7)	mA mA	400	360	240	152	125	95	85	75	57	45	35	25	12	\vdash	X
7.Temp. coefficient				1 rated ou							70	JJ	20	12	x	X
	FFIVI/ C	LIUUPPI	U 110II	ı rateu öl	aput VOI	.ay€,IUll	owing 3	o minute	Jo WdIIT	ıuρ						X
3 PROTECTIVE FUNCTIONS		1	_		_											ı
1. OCP				nt Curren											X	Х
2. OCP Foldback				n when p							table.				X	Х
3. OVP type		Inverter	shut-do	wn, manu	<u>ıal reset</u>	by AC i	nput red	cycle or I	by OUT	button					X	Х
4. OVP trip point							2~44V	5~57V	5~66V	5~88V	5~110V	5~165V	5~330\	V 5~660V		Х
5. Over Temp. Protection		User se	lectable	, latched	or non la	atched									X	Х
4 ANALOG PROGRAMMING AND MONITORIN	G															
1.Vout Voltage Programming		0~1009	6, 0~5V €	or 0~10V	, user se	elect. Ac	curacy	and linea	arity:+/-0).5% of r	ated Vou	ıt.			X	Х
2.lout Voltage Programming		0~100%	6, 0~5V c	or 0~10V,	, user se	lect. Ac	curacy a	and linea	arity:+/-1	% of rat	ed lout.				Х	Х
3.Vout Resistor Programming		0~100%	5, 0~5/10	Kohm fu	ll scale,u	user sele	ect.,Acc	uracy ar	nd linear	ity:+/-1%	6 of rated	l Vout.			Х	Х
4.lout Resistor Programming		0~100%	5, 0~5/10	Kohm fu	ll scale,u	user sele	ect. Acc	uracy ar	nd linear	ity:+/-1.5	5% of rate	ed lout.			Х	Х
5.On/Off control (rear panel)		By elec	trical. Vo	Itage: 0~	0.6V/2~	15V,or d	lry conta	act ,user	selecta	ble logic	:				Х	Х
6.Output Current monitor		0~5V or	0~10V ,	accuracy	y:1% , u	ser sele	ctable								Х	Х
7.Output Voltage monitor		0~5V or	0~10V ,	accuracy	:1% ,use	er selec	table								Х	Х
8. Power Supply OK signal		TTL Hig	h=OK, 0	V-Fail 50	00ohm ir	npedan	се								Х	Х
9. CV/CC indicator		CV: TTI	_ high (4	~5V) sou	rce: 10n	nA, CC:	TTL low	/ (0~0.4)	V):10mA	4					Х	Х
10. Enable/Disable		Dry con	tact. Ope	en:off , Sh	nort: on.	Max. vo	oltage at	Enable	/Disable	in: 6V					X	Х
5 FRONT PANEL																
1.Control functions		Vout/ Io	ut manu	al adjust	hy sena	rate enc	odere (naree a	nd fine	adiuetma	ant selec	tahla)			X	Х
1.Control functions				al adjust					illa illic	aujustiin	ont scico	tabic)			x	x
				ut on/off,					ldhack (control ((CV to CC) Go to	local co	ntrol	X	X
				on by Volt									iocai coi	i i i i i i i i i i i i i i i i i i i	x	X
				IEEE488											x	X
				on: 1200.					torrana	DII 3WI	tori				x	X
2.Display				s , accura				J,200							X	X
2.Display				s, accura											x	X
3.Indications				, Alarm, F				Local	Output ()n					x	X
	_				, 1 10			,, '	- aipui (^
.6 Interface RS232&RS485 or Opti	ional (<u>PIB</u> Ir	<u>iterfac</u>	ce											750W	150
Model	V	6	8	12.5	20	30	40	5	0 60	80	100	150	300	0 600	Х	Х
. Remote Voltage Programming (16 bit)																
Resolution (0.012% of Vo Rated)	mV	0.72	0.96	1.50							12	18	36		Х	Х
Accuracy (0.05%Vo Rated+0.05% of Vo Actual Outp	out) mV	6.0	8.0	12.5	20	30	40	5	0 60	80	100	150	300	0 600	X	Х
Domete Cument Brown																
2. Remote Current Programming (16 bit)	p= A	12	10.8	7.0	1 -	8 22	2.2	8	- 1.5	0 111	0.00	0.60	0.0	0 046		
Resolution (0.012% of lo Rated) Accuracy (0.1% of lo Rated+0.1% of lo Actual Outpo	mA			7.2	4.56							0.60			X	
Resolution (0.1% of to Rated+0.1% of to Actual Outpl		200 24	180 21.6	120 14.4							15 1.80		5.0 0.6		X	
Accuracy (0.1% of lo Rated+0.1% of lo Actual Outpl	mA	400	360								30				\vdash	X
locuracy (0.1% or to Nateu+0.1% of to Actual Outpl	ut) mA	400	300	240	152	100	, /6	6	u ol	. 36	30	20	10	5.2		Х
. Readback Voltage		0.72	0.96	1.50	2.40	0 3.6	0 4.8	0 6	.0 7.2	9.6	12	18	36	72	x	Х
	mV		16	25	40						200		600		x	X
esolution (0.012% of Vo Rated)		12	10													
esolution (0.012% of Vo Rated) ccuracy (0.1%Vo Rated+0.1% of Vo Actual Output)			10												1	
lesolution (0.012% of Vo Rated) ccuracy (0.1%Vo Rated+0.1% of Vo Actual Output) . Readback Current) mV	12								A					т -	
desolution (0.012% of Vo Rated) accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) Readback Current desolution (0.012% of lo Rated)) mV mA	12	10.8	7.2	4.56				1.5						Х	
Resolution (0.012% of Vo Rated) accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) Readback Current Resolution (0.012% of lo Rated) accuracy (0.3% of lo Rated+0.1% of lo Actual Output)	mA out) mA	12 12 400	10.8 360	240	152	2 100	76	-	50	38	30	20	10	5.2	X	
Resolution (0.012% of Vo Rated) Accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) Readback Current Resolution (0.012% of lo Rated) Accuracy (0.3% of lo Rated+0.1% of lo Actual Output) Resolution (0.012% of lo Rated)	mA out) mA mA	12 12 400 24	10.8 360 21.6	240 14.4	152 9.12	2 100 2 6) 76 4.5	6 3.6	50 60 3.0	38	30 1.80	20 1.20	10 0.6	5.2 0 0.32		
Resolution (0.012% of Vo Rated) Accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) Readback Current Resolution (0.012% of lo Rated) Accuracy (0.3% of lo Rated+0.1% of lo Actual Output) Resolution (0.012% of lo Rated)	mA out) mA mA	12 12 400	10.8 360	240	152 9.12	2 100 2 6) 76 4.5	6 3.6	50	38	30	20	10	5.2 0 0.32		
Readback Voltage Resolution (0.012% of Vo Rated) Accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) Readback Current Resolution (0.012% of lo Rated) Accuracy (0.3% of lo Rated+0.1% of lo Actual Output) Resolution (0.012% of lo Rated) Accuracy (0.3% of lo Rated) Accuracy (0.3% of lo Rated+0.1% of lo Actual Output) Accuracy (0.3% of lo Rated+0.1% of lo Actual Output)	mA out) mA mA	12 12 400 24	10.8 360 21.6	240 14.4	152 9.12	2 100 2 6) 76 4.5	6 3.6	50 60 3.0	38	30 1.80	20 1.20	10 0.6	5.2 0 0.32		X
esolution (0.012% of Vo Rated) ccuracy (0.1%Vo Rated+0.1% of Vo Actual Output) Readback Current esolution (0.012% of lo Rated) ccuracy (0.3% of lo Rated+0.1% of lo Actual Outp esolution (0.012% of lo Rated) ccuracy (0.3% of lo Rated+0.1% of lo Actual Outp ccuracy (0.3% of lo Rated+0.1% of lo Actual Outp 5. OVP/UVL Programming	mA but) mA mA but) mA	12 12 400 24 800	10.8 360 21.6 720	240 14.4 480	9.12 9.12 304	2 100 2 6 4 200	0 76 4.5 0 152	6 3.6 2 12	50 60 3.0 20 100	38 2.28 76	30 1.80 60	20 1.20 40	10 0.6 20	5.2 0 0.32 0 10.4	X	Х
Resolution (0.012% of Vo Rated) CCURROY (0.1% Vo Rated+0.1% of Vo Actual Output) Readback Current Resolution (0.012% of lo Rated) CCURROY (0.3% of lo Rated+0.1% of lo Actual Output) Resolution (0.012% of lo Rated)	mA out) mA mA	12 12 400 24	10.8 360 21.6	240 14.4	152 9.12	2 100 2 6 4 200 30	76 4.5 0 152 40	6 3.6 2 12	50 60 3.0	38 2.28 0 76 0 80	30 1.80 60	20 1.20 40 150	10 0.6 20 300	0 5.2 0 0.32 0 10.4 0 600		

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

*2: Minimum current is guaranteed to maximum 0.4% of lo Rated.

*3: At maximum output power.

*4: 85~132Vac or 170~265Vac, constant load.

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

*7: For 6V models the ripple is measured at 2~6V output voltage and full output current. For other models, the ripple is measured at 10~100% output voltage and full output current.

*8: Time for the output voltage to recover within 0.5% of its rated for a load change 10~90% of rated output, Output set-point:10~100%.

Accuracy -Values have been calculated at Vo Rated & lo Rated

General Specifications Genesys™ 750W/1500W

2.1 INPUT CHARACTERISTICS

1. Input voltage/freq. (*1)	85~265Vac continuous, 47~63Hz, single phase
2. Power Factor	0.99 @100/200Vac, rated output power.
3. EN61000-3-2,3 compliance	Complies with EN61000-3-2 class A and EN61000-3-3 at 20~100% output power.
4. Input current 100/200Vac	750W :10.5A / 5A, 1500W :21A / 11A
5. Inrush current 100/200Vac	750W :Less than 25A, 1500W :Less than 50A
6. Hold-up time	More than 20mS , 100Vac , at 100% load.

2.2 POWER SUPPLY CONFIGURATION

Parallel Operation	Up to 4 identical units in master/slave mode with parallel current summing (Advanced Parallel)
2. Series Operation	Up to 2 units, with external diodes. 600V Max to Chassis ground

2.3 ENVIRONMENTAL CONDITIONS

Operating temp	0~50 °C, 100% load.
2. Storage temp	-20~70 °C
3. Operating humidity	30~90% RH (non-condensing).
Storage humidity	10~95% RH (non-condensing).
5. Vibration	MIL-810E, method 514.4, test cond. I-3.3.1. The EUT is fixed to the vibrating surface.
6. Shock	Less than 20G , half sine , 11mSec. Unit is unpacked.
7. Altitude	Operating: 10000ft (3000m) , Non operating: 40000ft (12000m).

2.4 EMC

Z.4 EIVIC	
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. 1KV line to line, 2KV line to ground
5.Conducted immunity	IEC1000-4-6, 3V
6.Radiated immunity	IEC1000-4-3, 3V/m
7.Conducted emission	EN55022B,FCC part 15J-B,VCCI-2
8.Radiated emission	EN55022A,FCC part 15-A,VCCI-1
9. Voltage dips	EN61000-4-11
10. Conducted emission	EN55022B, FCC part 15-B, VCCI-2.
11. Radiated emission	EN55022A, FCC part 15-A, VCCI-1.

2.5 SAFETY

2.0 GAI 2.1.1							
1.Applicable standards:	CE Mark, UL60950,EN60950 listed. Vout<60V:Output is SELV, IEEE/Isolated analog are SELV.						
	60 <vout<400v: analog="" are="" hazardous,="" ieee="" is="" isolated="" output="" selv.<="" td=""></vout<400v:>						
	400 400 Yout<600V:Output is hazardous, IEEE/Isolated analog are not SELV.						
2.Withstand voltage	Vout<60V models :Input-Outputs (SELV): 3.0KVrms 1min, Input-Ground: 2.0KVrms 1min.						
	60 <vout<600v 1min,="" 1min.<="" 2.5kvrms="" 3kvrms="" input-haz.="" input-selv:="" models:="" output:="" td=""></vout<600v>						
	Hazardous OutputSELV: 1.9KVrms 1min, Hazardous Output-Ground:1.9KVrms 1min.						
	Input-Ground: 2KVrms 1min.						
3.Insulation resistance	More than 100Mohm at 25 C , 70% RH, 500Vdc						

2.6 MECHANICAL CONSTRUCTION

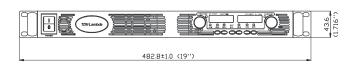
1. Cooling	Forced air flow: from front to rear. No ventilation holes at the top or bottom of the chassis; Variable fan speed.				
2. Dimensions (WxHxD)	N: 16.64in, H: 1.72in, D: 17.04in (excluding connectors, encoders, handles, etc.)				
3. Weight	750W : 7Kg (15 Lbs) 1500W : 8.5Kg (18 Lbs)				
4. AC Input connector	750W: IEC320 AC Inlet.				
	1500W: Screw terminal block, Phoenix P/N: FRONT-4-H-7.62, with strain relief				
5.Output connectors	6V to 60V models: Bus-bars (hole Ø 8.5mm). 80V to 600V models: Terminal block, Phoenix P/N: FRONT-4-H-7.62				

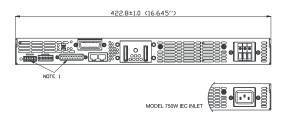
2.7 RELIABILITY SPECS

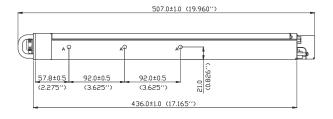
1. Warranty	5 years.
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*1: For cases where conformance to various safety standards (UL, IEC etc.) is required, to be described as 100-240Vac (50/60Hz).

Outline Drawing Genesys™ 750W/1500W Units







NOTE

- 1. PLUG CONNECTORS INCLUDED WITH THE POWER SUPPLY
- 2. CHASSIS SLIDES MOUNTING HOLES #10-32 MARKED "A"

 GENERAL DEVICES P/N: CC301-00-S160 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).

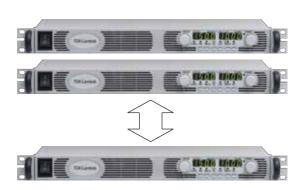


Remote Programming via RS-232 & RS-485 Interface

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 with or without Multi-Drop option.







P/N: IEMD

P/N: MD

P/N: IS510

P/N: IS420

Programming Options (Factory installed)

New IEEE Multi-Drop Interface

- · Allows IEEE Master to control up to 30 (Multi-Drop equipped) slaves over RS-485 daisy-chain
- Only the Master needs be equipped with IEEE Interface
- IEEE 488.2 SCPI Compliant
- Program Voltage
- · Measure Voltage
- Over Voltage setting and shutdown
- Error and Status Messages

- Program Current
- Measure Current
- · Current Foldback shutdown

New Multi-Drop Slave Option

• Slaves need to be equipped with the MD Slave (RS-485) option

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 LXI Compliant to Class C P/N: LAN

- · Meets all LXI-C Requirements
- Address Viewable on Front Panel
- Fixed and Dynamic Addressing
- Fast Startup

- VISA & SCPI Compatible
- LAN Fault Indicators
- Auto-detects LAN Cross-over Cable
- · Compatible with most standard Networks

USB Interface P/N: USB

- Allows Serial Connection to USB Port on computer
- Serial commands same as (standard) RS-232/RS-485 Interface

Power Supply Identification / AccessoriesHow to order

GEN 600 - 2.6

Series Output Output
Name Voltage Current
(0~600V) (0~2.6A)

Factory Options
Option: IEMD
MD
IS510
IS420
LAN

USB

P/N

IEMD

MD

IS510

IS420

LAN

USB

AC Cable option is 750W only
Region: E - Europe
J - Japan
I - Middle East
U - North America

Models 750/1500W

	Output	Output	Output
Model	Voltage	Current	Power
	VDC	(A)	(W)
GEN6-100		0~100	600
GEN6-200	0~6V	0~200	1200
GEN8-90		0~90	720
GEN8-180	0~8V	0~180	1440
GEN12.5-60		0~60	750
GEN12.5-120	0~12.5V	0~120	1500
GEN20-38		0~38	760
GEN20-76	0~20V	0~76	1520
GEN30-25		0~25	750
GEN30-50	0~30V	0~50	1500
GEN40-19		0~19	760
GEN40-38	0~40V	0~38	1520

	Output	Output	Output
Model	Voltage	Current	Power
	VDC	(A)	(W)
GEN50-30	0~50V	0~30	1500
GEN60-12.5		0~12.5	750
GEN60-25	0~60V	0~25	1500
GEN80-9.5		0~9.5	760
GEN80-19	0~80V	0~19	1520
GEN100~7.5		0~7.5	750
GEN100~15	0~100V	0~15	1500
GEN150~5		0~5	750
GEN150~10	0~150V	0~10	1500
GEN300~2.5		0~2.5	750
GEN300~5	0~300V	0~5	1500
GEN600~1.3		0~1.3	780
GEN600~2.6	0~600V	0~2.6	1560

Factory option

RS-232/RS-485 Interface built-in Standard GPIB (Multi-Drop Master) Interface Multi-Drop Slave Interface Voltage Programming Isolated Analog Interface Current Programming Isolated Analog Interface LAN Interface (Complies with LXI Class C) USB Interface

AC Cords sets (750W only)

Region	Europe	Japan	Middle East	North America
Output Power	750W	750W	750W	750W
AC Cords	10A/250 Vac L=2m	13A/125 Vac L=2m	10A/250 Vac L=2m	13A/125 Vac L=2m
Wall Plug	INT'L 7/VII	IEC320-C13	SI-32	NEMA 5-15P
Power Supply	IEC320-C13		IEC320-C13	IEC320-C13
Connector				
Part Number	P/N: GEN/E	P/N: GEN/J	P/N: GEN/I	P/N : GEN/U

Accessories

1. Communication cable

RS-232/RS-485 Cable is used to connect the power supply to the PC Controller.

Mode	RS485	RS232	RS232
PC Connector Communication Cable Power Supply Connector	DB-9F Shield Ground L=2m EIA/TIA-568A (RJ-45)	DB-9F Shield Ground L=2m EIA/TIA-568A (RJ-45)	DB-25F FShield Ground L=2m 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

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73-951-0001T 73-954-0001C DS550DC-3 DRP-3200-48 RCP-2000-24 TSR10 TET2000-12-086NA PET2000-12-074RA RCP-MU RCP
3K1UI-12 605-10144-2AC 6609006-5 D1U54P-W-1200-12-HC4PC DS450DC-3 DS650DC-3 LCM300Q-T LCM300W-T-4 LCM600N-T
4-A FNP600-48G FNR-3-48G FNR-5-12G SPSPFE3-05G TET3200-12-069RA IEC-A-1 FXX1600PCRPS 915606 DHP-1UT-A DRP
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