Genesys™

Programmable DC Power Supplies
3.3kW 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



TDK-Lambda

TDK·I ambda

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 3.3kW in 2U
- Wide Range of popular worldwide AC inputs, 1ø (230VAC) & 3ø (208VAC, 400VAC)
- Active Power Factor Correction (Single-Phase & Three-Phase AC Input)
- Output Voltage up to 600V, Current up to 400A
- 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 3.3kW 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:
- Fine Control Alarm 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 ™ 3.3kW Specifications

MODEL MODEL	GEN	8-400	10-330	15-220	20-165	30-110	40-85	60-55	80-42	100-33	150-22	200-16.5	300-11	600-5
1.Rated output voltage(*1)	V	8	10	15	20	30	40	60	80	100	150	200	300	600
2.Rated Output Current(*2)	Α	400	330	220	165	110	85	55	42	33	22	16.5	11	5.5
3.Rated Output Power	W	3200	3300	3300	3300	3300	3400	3300	3360	3300	3300	3300	3300	3300
1.1 CONSTANT VOLTAGE MODE 1.Max.line regulation (0.01% of rated Vo+ 2mV)(*6)	mV	2.8	3	3.5	4	5	6	8	10	12	17	22	32	62
2.Max load regulation (0.015% of rated Vo+5mV)(*7)		6.2	6.5	7.25	8	9.5	11	14	17	20	27.5	35	50	95
3.Ripple and noise p-p 20MHz (*8)	mV	60	60	60	60	60	60	60	80	100	100	275	300	500
4.Ripple r.m.s 5Hz~1MHz	mV	8	8	8	8	8	8	8	25	25	25	75	100	120
5.Remote sense compensation/wire	V	2	2	2	2	5	5	5	5	5	5	5	5	5
6.Temp. coefficient 7.Temp. stability	PPM/°C	100PPN										ne, load 8	2 *	
8.Warm-up drift											power 0		x temp.	
9.Up-prog. response time, 0~Vo Rated (*9)	mS	LC33 tric	111 0.05 70		0	voitage	121111 01	C1 30 111		50	powero	20	00	250
10.Down-prog response time Full-load (*9) No-load (*10)	mS	20		100			160				300			500
No-load (*10)	mS	500	600	700	800	900				1500			3500	4000
11.Transient response time	mS											ated outpu		
·		set-point	: 10-100%	, local ser	ise. Less t	han ImSe	c for mod	els up to a	and includ	ding 100V.	. 2msec for	r models al	bove 100V	
1.2 CONSTANT CURRENT MODE 1.Max.line regulation (0.01% of rated lo+ 2mA)(*6)	mA	42	35	24	18.5	13	10.5	7.5	6.2	5.3	4.2	3.65	3.1	2.6
2.Max.load regulation (0.02% of rated lo+5mA)(*11)	mA	85	71	49	38	27	22	16	13.4	11.6	9.4	8.3	7.2	6.1
3.Ripple r.m.s 5Hz~1MHz . (*12)	mA	1300	1200	880	660	300	200	100	80	70	60	40	20	10
4.Load regulation thermal drift		Less tha	n 0.1% c	f rated	output c	urrent o	ver 30 m	inutes f	ollowing	load ch				
5.Temp. coefficient	PPM/°C	100PPN												
6.Temp. stability												ne, load &		ature.
7.Warm-up drift												ng power		
1.3 PROTECTIVE FUNCTIONS		1201~00	OV IIIOU	.13. LE35	man ±0	ا ان 0/ دے.	ated ou	tput CUI	ient ove	1 30 111111	utes IUII	owning po	WEI OII.	
1. OCP		0~105%	Consta	nt Curre	nt									
2. OCP Foldback			shut dov											
3. OVP type		Inverter	shut-do	vn, man	ual reset	by AC in	put recy	cle or by	OUT but	ton or by	/ commu	nication p	ort com	mand.
4. OVP trip point												5~220V	5~330V	5~660
5. Output Under Voltage Limit								events fi	om adju	isting Vo	ut belov	v limit.		
6. Over Temp. Protection 1.4 ANALOG PROGRAMMING AND MONITO	DING	User sei	ectable	, latched	or non	latched.								
1.Vout Voltage Programming	KIING	0~100%	5.0~5V c	r 0~10\/	licer ce	lect Acc	uracy ar	nd linear	tv:+0.59	% of rate	d Vout			
2.lout Voltage Programming (*13)	-		0~100%, 0~5V or 0~10V, user select. Accuracy and linearity:±0.5% of rated Vout. 0~100%, 0~5V or 0~10V, user select. Accuracy and linearity:±1% of rated lout.											
3.Vout Resistor Programming		0~100%, 0~5/10Kohm full scale, user select. Accuracy and linearity: ±1% of rated Vout.												
4.lout Resistor Programming (*13)	0~100%, 0~5/10Kohm full scale,user select. Accuracy and linearity:±1.5% of rated lout.													
5.On/Off control (rear panel)			trical. Vo					ct ,user	selectab	le logic.				
6.Output Current monitor (*13)			0~10V,											
7.Output Voltage monitor 8.Power Supply OK signal			0~10V,					tanco						
9. CV/CC Indicator		TTL high (4~5V) -OK, 0V-Fail 500ohm series resistance. 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. Open collector, Local: Off, Remote: On. Maximum voltage: 30V, maximum sink current: 10mA.												
12. Local/Remote analog control Indicator		Open co	ollector,	Local: O	ff, Remo	te: On. ۸	/laximur	n voltag	e: 30V, n	naximun	n sink cur	rrent: 10r	nA.	
1.5 FRONT PANEL		I												
									nd fine a	adjustme	ent selec	table).		
1.Control functions			L manua						ack con	trol (CV) t	ro CC) G	o to local	control	
1.control functions											resses:31		COIILIOI.	
			t modes								. 20000101	-		
		Baud ra	te select	ion: 120	0,2400,4	1800,960	00 and 19							
2.Display			Voltage: 4 digits , Accuracy: 0.5% of rated output Voltage ±1 count.											
<u> </u>		Current: 4 digits, Accuracy: 0.5% of rated output current ±1 count. Voltage, Current, Alarm, Fine, Preview, Foldback, Local, Output On, Front Panel Lock, CVCC.												
3.Indications										n, Front	Panel Lo	ick, CVCC		
1.6 Interface Specifications for the GENESY										465	455	200		
1. Remote Voltage Programming (16 bit)	V	8	10	15	20	30	40	60	80	100	150	200	300	600
Resolution (0.012% of Vo Rated) Accuracy (0.05%Vo Rated+0.05% of Vo Actual Output)	mV mV	0.96	1.2	1.8	2.40	3.60	4.80	7.2	9.6	12 100	18 150	24 200	36	72 600
Accuracy (0.05%00 nateu+0.05% of vo Actual Output)	IIIV	8	10	15	20	30	40	60	80	100	130	200	1 300	000
2. Remote Current Programming (16 bit)														
Resolution (0.012% of lo Rated)	mA	48	39.6	26.4	19.8	13.2	10.2	6.6	5.0	4.0	2.6	2.0	1.3	0.7
	mA	1200	990	660	495	330	255	165	126	99	66	49.5	33	16.5
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13)														
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13)		1			2.40	2.00	4.00	7.3	0.0	12	10	2.4	36	70
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13) 3. Readback Voltage		0.00	1.2	1 0	/ 411	3.60	4.80	7.2	9.6 160	12	18	24	36 600	72 1200
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13) 3. Readback Voltage Resolution (0.012% of Vo Rated)	mV	0.96	1.2	1.8		60	l Q∩							
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13) 3. Readback Voltage Resolution (0.012% of Vo Rated)		0.96 16	1.2	1.8 30	40	60	80	120	100	200	300	400	000	1200
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13) 3. Readback Voltage Resolution (0.012% of Vo Rated) Accuracy (0.1% Vo Rated+0.1% of Vo Actual Output)	mV					60	80	120	100	200	300	400	000	1200
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13) 3. Readback Voltage Resolution (0.012% of Vo Rated) Accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) 4. Readback Current	mV					13.2	10.2	6.6	5.0	4.0	2.6	2.0	1.3	0.7
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13) 3. Readback Voltage Resolution (0.012% of Vo Rated) Accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) 4. Readback Current Resolution (0.012% of lo Rated)	mV mV	16	20	30	40									
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13) 3. Readback Voltage Resolution (0.012% of Vo Rated) Accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) 4. Readback Current Resolution (0.012% of lo Rated) Accuracy (0.3% of lo Rated+0.1% of lo Actual Output) (*13)	mV mV	16	39.6	30 26.4	19.8	13.2	10.2	6.6	5.0	4.0	2.6	2.0	1.3	0.7
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13) 3. Readback Voltage Resolution (0.012% of Vo Rated) Accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) 4. Readback Current Resolution (0.012% of lo Rated) Accuracy (0.3% of lo Rated+0.1% of lo Actual Output) (*13) 5. OVP/UVL Programming	mV mV	16 48 1600	39.6 1320	30 26.4 880	19.8 660	13.2 440	10.2 340	6.6	5.0 168	4.0 132	2.6 88	2.0 66	1.3	0.7
Accuracy (0.2% of lo Rated+0.1% of lo Actual Output) (*13) 3. Readback Voltage Resolution (0.012% of Vo Rated) Accuracy (0.1%Vo Rated+0.1% of Vo Actual Output) 4. Readback Current Resolution (0.012% of lo Rated) Accuracy (0.3% of lo Rated+0.1% of lo Actual Output) (*13)	mV mV	16	39.6	30 26.4	19.8	13.2	10.2	6.6	5.0	4.0	2.6	2.0	1.3	0.7

^{*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 single phase and 3-Phase 208V models, and 380~415Vac

^{(50/60}Hz) for 3-Phase 400V models. *4: Single-Phase and 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: Single-Phase and 3-Phase 208V models: 170~265Vac, constant load. 3-Phase 400V models:

^{*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.

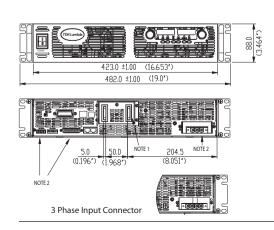
^{*11:} For load voltage change, equal to the unit voltage rating, constant input voltage.
*12: For 8V~15V models the ripple is measured from 2V to rated output voltage and rated output current. For other models, the ripple is measured at 10~100% of rated output voltage and rated

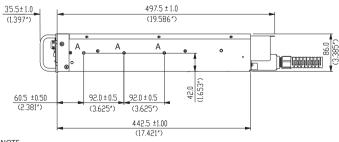
output current.
*13: The Constant Current programming readback and monitoring accuracy does not include the warm-up and Load regulation thermal drift.

General Specifications Genesys™ 3.3kW

2.1 INPUT CHARACTERISTICS	GEN	8-400	10-330	15-220	20-165	30-110	40-85	60-55	80-42	100-33	150-22	200-16.5	300-11	600-5.5
Zir iiii or ciratiote i Ettisties	GLIV		hase,230					00 33	00 42	100 33	130 22	200 10.5	300 11	1000 3.3
1. Input voltage/freq. (*3)			, 208V m											
pat ronage,eq. (5)	VAC													
2 Maximum Single Phase,230V mo	dels:	3-Phase, 400V models: 342~460Vac, 47~63Hz												
2. Maximum Input current 3-Phase, 208V mod		15	15	15	15	15	15	14.5	14.5	14.5	14.5	14.5	14.5	14.5
at 100% load 3-Phase, 400V moo		7.5	7.5	7.5	7.5	7.5	7.5	7	7	7	7	7	7	7
3. Power Factor (Typ)	1013.											c, rated o		
4. Efficiency (*4)	%	82	83	83	83	86	86	88	88	88	87	87	87	87
• • • • • • • • • • • • • • • • • • • •			hase and											
5. Inrush Current (*5)	A		400V mo					, , , ,						
6. Hold-up time (Typ)	mS						V models	. 6mSec	for 3-Pha	se 400V	models.	Rated ou	tout pov	ver.
2.2 POWER SUPPLY CONFIGURAT		1						,					- p	
1. Parallel Operation		Up to 4	dentical	units in i	naster/s	lave mod	le							
2. Series Operation			dentical					Max to Ch	nassis gro	ound				
2.3 ENVIRONMENTAL CONDITIO	NS	1-1-1-												
1. Operating temp		0~50°C	100% lo	ad.										
2. Storage temp		-20~85°				-	-	-		-				
3. Operating humidity			RH (non	-conden	sina)									
4. Storage humidity			RH (non											
5. Vibration			F, metho			is fived t	o the vib	rating cu	rface					
6. Shock			n 20G , h						iiace.					
O. SHOCK									2000	a Altornat	ivoly dor	ite maximi	ım əmbic	nt tomp
7. Altitude			00m abo							i, Aiternai	ivery, dera	ite maximi	ann annbie	int temp.
8. RoHS Compliance			s with th					t (120001	11).					
2.4 EMC		Compile	S WILII LII	erequire	ements c	I KUITS C	illective.							-
1.Applicable Standards:		1												
2.ESD		IEC1000	1 2 Air	disch Ol	(V conta	ct disch	11/1/							
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														
5.Conducted immunity													-	
6.Radiated immunity	IEC1000-4-3, 3V/m EN61000-4-8, 1A/m													
7.Magnetic field immunity				/m										
8.Voltage dips		EN61000-4-11												
9.Conducted emission		EN55022A, FCC part 15-A, VCCI-A. EN55022A, FCC part 15-A, VCCI-A.												
10. Radiated emission		EN5502	2A, FCC p	art 15-A	VCCI-A.									
2.5 SAFETY		CE 14 1		0. ENICOO			0110		1555 (1			CELV (
		CE Mark, UL60950, EN60950 listed. Vout≤40V:Output is SELV , IEEE/Isolated analog are SELV.												
1. Applicable standards:		40 <vout≤400v: 400<vout≤600v:output="" analog="" are="" hazardous,="" ieee="" is="" isolated="" not="" output="" selv.="" selv.<="" td=""></vout≤400v:>												
		Vout≤40V models :Input-Outputs (SELV): 4242VDC 1min, Input-Ground: 2828VDC 1min.												
		40 <vout≤100v 1min,="" 1min.<="" 2600vdc="" 4242vdc="" input-haz.="" input-selv:="" models:="" output:="" td=""></vout≤100v>												
2.Withstand voltage		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. More than 100Mohm at 25°C , 70% RH.												
3.Insulation resistance		More th	an 100M	ohm at 2	5°C , 70%	6 RH.								
2.6 MECHANICAL CONSTRUCTIO	N					-								
1. Cooling												ssis; Varia	ble fan	speed.
2. Dimensions (WxHxD)			m, H: 88	mm, D: 4	42.5mm	(excludi	ng conne	ectors, er	coders,	handles,	etc.)			
3. Weight		13 kg.												
4. AC Input connector (with Prote	ctive Cover)										train reli			
•											th Strain			
5.Output connectors		8V to 100	V models	: Bus-bar	s (hole Ø	10.5mm).	150V to 6	00V mod	els: wire c	lamp con	nector, Ph	noenix P/N	I: FRONT-	4-H-7.62
2.7 RELIABILITY SPECS														
1. Warranty		5 years.												
All specifications subject to change	ge without no	otice.												

Outline Drawing Genesys™ 3.3kW Units





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

TDK-Lambda

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.



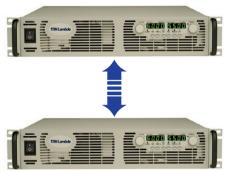
Series operation

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





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.
 P/N: IS420

Power supply Voltage and Current Programming Accuracy $\pm 1\%$ Power supply Voltage and Current Monitoring Accuracy $\pm 1.5\%$

LAN Interface

Compliant to Class C

P/N: LAN

P/N: IS510

P/N: IEEE

- Meets all LXI-C Requirements
- Address Viewable on Front Panel
- · Fixed and Dynamic Addressing
- Compatible with most standard Networks
- TCP / UDP Socket Programming
- VISA & SCPI Compatible
- LAN Fault Indicators

• Program Current

Measure Current

Current Foldback shutdown

- Auto-detects LAN Cross-over Cable
- Fast Startup

6 | **GENESYS™** | 3.3kW −

Output

Power

(W)

3300

3360

3300

3300

3300

3300

3300

Power Supply Identification / Accessories How to order

GEN	8 -	400 -		<u> </u>
			Factory Options:	Factory AC Input Options:
Series	Output	Output	Option: IEEE	1P230 (Single Phase 170~265VAC)
Name	Voltage	Current	IS510	3P208 (Three Phase 170~265VAC)
	(0~8V	(0~400A)	IS420	3P400 (Three Phase 342~460VAC)
	2 2/ 1//		LAN	

Model

GEN 60-55

GEN 80-42

GEN 100-33

GEN 150-22

GEN 300-11

GEN 200-16.5 0~200V

GEN 600-5.5 0~600V

Output

Voltage

VDC

0~60V

0~80V

0~100V

0~150V

0~300V

Output

Current

(A)

0~55

0~42

0~33

0~22

0~11

0~5.5

0~16.5

Models 3.3kW

Model	Output Voltage VDC	Output Current (A)	Output Power (W)
GEN 8-400	0~8V	0~400	3200
GEN 10-330	0~10V	0~330	3300
GEN 15-220	0~15V	0~220	3300
GEN 20-165	0~20V	0~165	3300
GEN 30-110	0~30V	0~110	3300
GEN 40-85	0~40V	0~85	3400

Factory	option	P/N
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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 LX 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 5000W**

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