Improved ons

# Genesys™

Programmable DC Power Supplies
750W/1500W in 1U
Built in RS-232 & RS-485 Interface
Advanced Parallel Operation
Optional Interface:
LXI Compliant LAN
IEEE488.2 SCPI (GPIB) Multi-drop
Isolated Analog Programming



Genesys™ Family GenH 750W Half Rack Gen1U 750/1500W Full Rack Gen2U 3.3/5kW

TDK-Lambda

# TDK·Lambda

The GenesysTM 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: 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 Standard
- Last-Setting Memory
- Global Commands for Serial RS-232/RS-485 Interface
- Front Panel Lock selectable from Front Panel or Software
- High Resolution 16 bit ADCs & DACs
- Reliable Encoders for Voltage and Current Adjustment
- Constant Voltage/Constant Current auto-crossover
- Advanced Parallel reports total current up to four identical units
- 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 Mounted 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

LXI Compliant LAN Interface

- LabView® and LabWindows® drivers
- Five Year Warranty

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





# **Applications**

Genesys<sup>™</sup> power supplies have been designed to meet the demands of a wide variety of applications.

Common controls are shared all Genesys™ Series.

# **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 inputs allows testing of many different devices.

## Semiconductor Burn-in

Safe-Start may be ENABLED to re-start at Output OFF to protect load.

Wide range input (85-265Vac) with Active Power Factor correction rides through input transients easily.

#### **Component Test**

High power density, zero stacking and single wire parallel operation give maximum system flexibility.

## **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 enhance front panel control.

Remote analog programming is user selectable 0-5V or 0-10V.

# **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 Settings
- 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 Lockout
  - 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; wire clamp connector 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 IEEE 488.2 SCPI (shown) or Isolated Analog Interface or LAN Interface.

# TDK-Lambda

# Genesys ™ 750W/1500W Specifications

	•									Specif	cation	in Plu	o aro in	proved	750W	1500W
1.0 MODEL	GEN	6-200	8-180	12.5-120		30-50	40-38	50-30	60-25					600-2.6	730W	X
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) 3. Rated Output Power	A W	200 1200	180 1440	120 1500	76 1520	50 1500	38 1520	30 1500	25 1500	19 1520	15 1500	10 1500	1500	2.6 1560		X
4. Efficiency at 100/200Vac (*3)	%	77/79	78/81	82/85	83/86		84/88	84/88		84/88	84/88		84/88			X
1.0 MODEL	GEN	6-100	8-90	12.5-60					60-12.5	80-9.5			300-2.5	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) 3. Rated Output Power	A W	100 600	90 720	750	38 760	750	19 760		12.5 750	9.5 760	7.5 750	5 750	2.5 750	780	X	
4. Efficiency at 100/200Vac (*3)	%	76/78		81/84	82/85		83/87		83/87	83/87	83/87	83/87	83/87		X	
1.1 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	X
2. Max load regulation (0.01% of Vo+2mV )(*5) 3. Ripple and noise p-p 20MHz (*9)	mV mV	2.6	2.8	3.3 60	4 60	5 50	60	7 40	8 60	10 75	12 75	17 75	32 130	62 300	X	X
4. Ripple and noise p-p 20MH2 (*9)	mV	8	6	7	7.5	6	7	5	7	73	8	8	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	Х
6. Temp. coefficient			/°C of rat									. 10	10.		X	X
7. Temp. stability 8. Up-prog. response time, 0~Vo Rated	mS		of rated N.L/F.L, r			interval	followin	ig 30 mi	nutes w		<u>Constar</u> N.L/F.L,			mp. 250	X	X
9. Down-prog response time full-load	mS	10		50	ioaa		8	30			1.	50		250	X	X
10. Down-prog response time No-load	mS	500	600	700	800		1000						2500	4000	X	X
11. Transient response time (*8) 12. Temp. drift			an 1mSe of rated \										d 0 +om		X	X
•	1 %	0.01%	or rated v	out ove	er ønrs in	itervai id	ollowing	30 min	utes war	m up. C	onstant	iine, ioa	a & tem	р.	, A	X
1.2 CONSTANT CURRENT MODE  1. Max.line regulation (0.01% of lo+ 2mA)(*4)	mA	12	11	8.0	5.8	4.5	3.9		3.25	2.95	2.75	2.5	2.25	2.13	Х	
2. Max.load regulation (0.02% of lo+5mA)(*6)	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)	mA	190	160	110	50	45	30		15	10	10	8	6	4	Χ	
4. Max.line regulation (0.01% of lo+ 2mA)(*4) 5. Max.load regulation (0.02% of lo+5mA)(*6)	mA mA	22 45	20	14 29	9.6 20.2	7.0 15	5.8 12.6	5 11	4.5 10	3.9 8.8	3.5 8.0	3.0 7.0	2.5 6.0	2.26 5.52		X
6. Ripple r.m.s 5Hz~1MHz .(*7)	mA	350	300	210	120	60	65	60	60	40	20	15	15	7		X
7. Temp. coefficient	PPM/°0	C 70PPM	/°C from	rated or	utput vo	ltage, fo	llowing	30 min	utes war	m up					Х	X
8. Temp. drift	%		of rated \												X	X
9. Warm up drift	%	Less tn	an 0.1% r	ated ou	tput cur	rent ove	<u>r 30 min</u>	TOIIOWI	ng powe	r on or c	utput v	oitage /	current	cnange	X	X
1.3 PROTECTIVE FUNCTIONS 1. OCP		0~1050	% Consta	nt Curro	nt	-								-	V	l y
2. OCP Foldback			t shut do			r supply	change	from C\	to CC. l	Jser sele	ctable.				X	X
3. OVP type			r shut-do												Х	Х
4. OVP trip point 5. Over Temp Protection			<u>/ 0.5~10V</u> electable					5~57V	5~66V	5~88V	5~110V	5~165V	5~330\	/ 5~660V	X	X
		loser se	ectable	, latenee	i or non	lateneu										
1.4 ANALOG PROGRAMMING AND MONITORIN																
11 Vout Voltage Programming		0~100	% 0~5V	or 0~10\	/ liser se	lect Δc	curacy a	nd line:	rity. +/-	1 5% of r	ated Vo	ut			Y	l y
1. Vout Voltage Programming 2. lout Voltage Programming			%, 0~5V 0 %, 0~5V 0									ut.			X	X
2. lout Voltage Programming		0~100° 0~100°	%, 0~5V 0 %, 0~5/10	or 0~10\ OKohm f	/, user se ull scale	lect. Ac	curacy a lect., Ácc	nd linea	rity: +/- nd linea	% of rat  ity: +/-1	ed lout. % of rate	ed Vout			Х	Х
Nout Resistor Programming     I Just Resistor Programming     I Just Resistor Programming		0~100° 0~100° 0~100°	%, 0~5V 6 %, 0~5/10 %, 0~5/10	or 0~10\ OKohm f OKohm f	/, user se ull scale ull scale	lect. Ac user se user se	curacy a lect., Acc lect. Acc	nd linea uracy a uracy a	nrity: +/- nd linear nd linear	% of rat  :ity: +/-1  :ity: +/-1	ed lout. % of rate 5% of ra	ed Vout	t.		X	X
2. lout Voltage Programming 3. Vout Resistor Programming 4. lout Resistor Programming 5. On/Off control (rear panel) 6. Output Current monitor		0~100° 0~100° 0~100° By elec	%, 0~5V 0 %, 0~5/10 %, 0~5/10 trical. Vo	or 0~10\ OKohm f OKohm f Itage: 0 accurac	/, user se ull scale ull scale ~0.6V/2 y: 1%, us	elect. Ac user se user se ~15V, or ser selec	curacy a lect., Acc lect. Acc dry con table	nd linea uracy a uracy a	nrity: +/- nd linear nd linear	% of rat  :ity: +/-1  :ity: +/-1	ed lout. % of rate 5% of ra	ed Vout	t.		Х	X X X
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2. lout Voltage Programming 3. Vout Resistor Programming 4. lout Resistor Programming 5. On/Off control (rear panel) 6. Output Current monitor 7. Output Voltage monitor 8. Power Supply OK signal 9. C.V/C indicator 10. Enable/Disable 11. Local/Remote analog control 12. Local/Remote analog control indicator 15. FRONT PANEL 1. Control functions 2. Display 3. Indications 1.6 Interface RS-232&RS-485 or Optional GPIB, Model 11. Remote Voltage Programming (16 bit) Resolution (0.02% of Vo Rated) Accuracy 0.05%Vo Rated Output Voltage (*11) 2. Remote Current Programming (16 bit) Resolution (0.002% of lo Rated) Accuracy (0.1% of lo Rated+0.1% of lo Actual Output)(*10 Resolution (0.002% of lo Rated) Accuracy (0.1% of lo Rated+0.1% of lo Actual Output)(*10 Resolution of Vo Rated Accuracy 0.05% Vo Rated 4. Readback Current Resolution of lo Rated Accuracy 0.3% of lo Rated output Accuracy 0.3% of lo Rated (*10)	/ LAN In V W MV MA MA MA MA	0~100° 0~	%, 0~5V 4 %, 0~5V 1 %, 0~5/10 %, 0~5/11 ktrical. Vo rr 0~10V, rr 0	or 0-100 kohm fr Volume fr	/, user se ull scale will scale scale will s	1.25   1.25   1.50	curacy a lect. Acc lect. Acc lect. Acc lect. Acc lect. Acc lect. Acc dry con: table triable eries resi: Off, Ma voltage a 6V or sh m. Maxir mcoders lect lect lect lect lect lect lect lect	nd lines stance stance six mum you have lines stance six mum at Enabl ort: Rer encode lines six mum you have lines	voltage: e/Disable of the property of the prop	% of ratifity: +/-1: ity: +/-1: ity: +/-1: ity: +/-1: ity: +/-1: ity: +/-1: able logi   30V, mae in: 6V   5V or op v. maxir   30V, max	ed lout. % of rate when the selection of	150   10.50   15   1.10   1.11   1.	300   6.0   150   10.10   12   150	600   12.0   300   0.03   2.6   0.05   5.2   12   300   0.12   3.90   0.10	X	X

<sup>\*1:</sup> Minimum voltage is guaranteed to maximum 0.2% of Vo Rated.
\*2: Minimum current is guaranteed to maximum 0.4% of Io Rated.
\*3: At maximum output power.
\*4: 85~132Vac or 170~265Vac, constant load.

 <sup>\*4:88~132</sup>VaC or 170~265VaC, constant load.
 \*5: From No-load to Full-load, constant input voltage.
 \*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.

<sup>\*8:</sup> 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%.
\*9: For 6V~300V models: measured with JEITA RC-9131A 1:1 probe. For 600V model: measured with 10:1 probe Accuracy -Values have been calculated at Vo Rated & Io Rated.
\*10: The Constant Current programming readback and monitoring accuracy does not include the

warm-up and Load regulation thermal drift. \*11: Measured at the sense point.

# **General Specifications Genesys™ 750W/1500W**

1. Input voltage/freg. (*1)	85~265Vac continuous, 47~63Hz, single phase
2. Power Factor	0.99 @100/200Vac, rated output power.
3. EN61000-3-2,3 compliance	10.55 @ 100/200742, Tated output power.    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
5. Hold-up time	More than 20mS, 100Vac, at 100% load.
2.2 POWER SUPPLY CONFIGURATION	
1. Parallel Operation	Up to 4 units in master/slave mode with single wire current balance connection
2. Series Operation	Up to 2 units. with external diodes. 600V Max to Chassis ground
2.3 ENVIRONMENTAL CONDITIONS	0.5005.4009/11
1. Operating temp	0~50°C, 100% load.
2. Storage temp	-20~70°C
3. Operating humidity	30~90% RH (non-condensing).
4. 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.
5. Shock	Less than 20G, half sine, 11mSec. Unit is unpacked.
7. Altitude	Operating: 10000ft (3000m), Derat output current by 2%/100m above 2000m, Non operating: 40000ft (12000m).
	poperating. 1999 of 1990 only Delat output current by 2 /9/1991 in above 2990 in, Noir operating, 4900 of (12000 in).
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, 1KV line to line. 2KV line to ground
5. Conducted immunity	IEC1000-4-6, 3V
5. Radiated immunity	IEC1000-4-3, 3V/m
7. Conducted emission	EN55022B, FCC part 15J-B, VCCI-B.
3. Radiated emission	EN55022A, FCC part 15-A, VCCI-A.
9. Voltage dips	EN61000-4-11
10. Conducted emission	EN55022B, FCC part 15-B, VCCI-B.
11. Radiated emission	EN55022A, FCC part 15-A, VCCI-A.
2.5 SAFETY	,,
1.Applicable standards:	UL 60950-1, CSA22.2 No.60950-1, IEC 60950-1, EN 60950-1
i.Applicable stalluarus.	Models with Vout 50V: Output is SELV, all communication/control interfaces (RS232/485, IEEE, Isolated Analog,
	Models with Yout Sov: Output is SELY, an Communication/Control Internaces (KS2SZ/465, IEEE, Isolated Analog,
	LAN, Sense, Remote Programming and Monitoring) are SELV.  Models with 60V Vout 400V: Output is Hazardous, communication/control interfaces: RS232/485, IEEE,
2 Interface classification	invoices with our your 400V: Output is Hazardous, communication/control interfaces: h3232/485, IEEE,
2.Interface classification	Isolated Analog, LAN, Remote Programing and Monitoring (pins 1-3, pins 14-16) are SELV, Sense, Remote
	Programming and Monitoring (pins 8-13, pins 21-25) are Hazardous.  Models with 400V Yout 600V: Output is Hazardous, all communication/control interfaces (RS232/485, IEEE,
	Models with 400V yout 600V: Output is Hazardous, all communication/control interfaces (RS232/485, IEEE,
	Isolated Analog, LAN, Sense, Remote Programming and Monitoring) are Hazardous.  Vout 50V models: Input-Output (SELV): 4242VDC 1min, Input-communication/control (SELV): 4242VDC 1min,
	Vout 50V models: Input-Output (SELV): 4242VDC 1min, Input-communication/control (SELV): 4242VDC 1min,
	Input-Ground: 2828VDC 1min,
	60V Vout 150V models: Input-Output (Hazardous): 3425VDC 1min, Input-communication/control (SELV):
3.Withstand voltage	4242VDC 1min, Output(Hazardous)-SELV: 2307VDC 1min, Output(Hazardous)-Ground: 1414VDC 1min,
o.vvitiistanu voitage	Input-Ground: 2828VDC 1min.
	300V Vout 600V models: Input-Output(Hazardous): 3490VDC 1min, Input-communication/control (SELV):
	4242VDC 1min, Hazardous. Output-communication/control(SELV): 4242VDC 1min,
	Output(Hazardous)-Ground: 2738VDC 1min, Input-Ground: 2828VDC 1min.
1.Insulation resistance	More than 100Mohm at 25°C, 70% RH.
salacon resistance	
2.6 MECHANICAL CONSTRUCTION	
. 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: 422.8mm, H: 43.6mm, D: 432.8mm (excluding connectors, encoders, handles, etc.)
B. Weight	750W: 7Kg (15 Lbs) 1500W: 8.5Kg (18 Lbs)
/. rreigitt	750W: EC320 AC Inlet.
	1500W: Screw terminal block. Phoenix P/N: FRONT-4-H-7.62. with strain relief
4. AC Input connector	
<u>'</u>	60 to 600 models: Bus-bars (hole Ø 8.5mm). 800 to 6000 models: wire clamp connector. Phoenix P/N: FRONT-4-H-7.62
<u>'</u>	
4. AC Input connector 5. Output connectors 2.7 RELIABILITY SPECS 1. Warranty	

<sup>\*1:</sup> For cases where conformance to various safety standards (UL, IEC etc.) is required, to be described as 100-240Vac (50/60Hz). All specifications subject to change without notice.

# TDK·Lambda

# Genesys<sup>™</sup> 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.



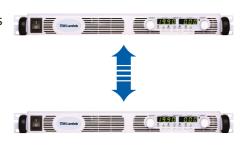
# **Series operation**

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





P/N: IEEE

# **Programming Options (Factory installed)**

# Digital Programming via IEEE Multi-Drop Interface

- Allows IEEE Master to control up to 30 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

# **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%

P/N: IS510

P/N: IS420

LAN Interface L' Compliant to Class C P/N: LAN

- Meets all LXI-C Requirements
- Address Viewable on Front Panel
- Fixed and Dynamic Addressing
- Compatible with most standard Networks
- VISA & SCPI Compatible
- LAN Fault Indicators
- Auto-detects LAN Cross-over Cable
- Fast Startup

# Power Supply Identification / Accessories How to order

GEN	600	- 2.6	-	-
			Factory Options	AC Cable option is 750W only
Series	Output	Output	Option: IEEE	Region: E - Europe
Name	Voltage	Current	IS510	GB - United Kingdom
	(0~600V)	(0~2.6A)	IS420	J - Japan
			LAN	I - Middle East
				U- North America

# Models 750/1500W

Model	Output Voltage VDC	Output Current (A)	Output Power (W)
GEN6-100	0~6V	0~100	600
GEN6-200	U~6V	0~200	1200
GEN8-90	0~8V	0~90	720
GEN8-180		0~180	1440
GEN12.5-60	0~12.5V	0~60	750
GEN12.5-120		0~120	1500
GEN20-38	0.201/	0~38	760
GEN20-76	0~20V	0~76	1520
GEN30-25	0. 201/	0~25	750
GEN30-50	0~30V	0~50	1500
GEN40-19	0~40V	0~19	760
GEN40-38	U~4UV	0~38	1520

Model	Output Voltage VDC	Output Current (A)	Output Power (W)
GEN50-30	0~50V	0~30	1500
GEN60-12.5	0~60V	0~12.5	750
GEN60-25	U~60V	0~25	1500
GEN80-9.5	0~80V	0~9.5	760
GEN80-19		0~19	1520
GEN100-7.5	0~100V	0~7.5	750
GEN100-15	U~100V	0~15	1500
GEN150-5	0~150V	0~5	750
GEN150-10	0~1500	0~10	1500
GEN300-2.5	0.2001/	0~2.5	750
GEN300-5	0~300V	0~5	1500
GEN600-1.3	0 6001	0~1.3	780
GEN600-2.6	0~600V	0~2.6	1560

# **Factory option**

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 Class C) LAN

# AC Cords sets (750W only)

Region	Europe	United Kingdom	Japan	Middle East	North America
Output Power	750W	750W	750W	750W	750W
AC Cords	10A/250Vac L=2m	10A/250Vac L=2m	13A/125Vac L=2m	10A/250Vac L=2m	13A/125Vac L=2m
Wall Plug	INT'L 7/VII	BS1363		SI-32	NEMA 5-15P
Power Supply	IEC320-C13	IEC320-C13	IEC320-C13	IEC320-C13	IEC320-C13
Connector					
Part Number	P/N: GEN/E	P/N: GEN/GB	P/N: GEN/J	P/N: GEN/I	P/N:GEN/U

P/N

# **Accessories**

# 1. Communication cable

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

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

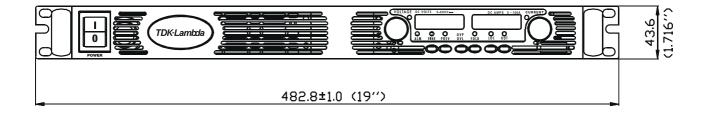
# 2. Serial link cable\*

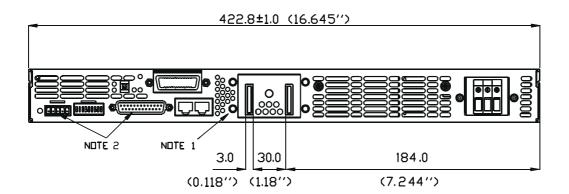
Daisy-chain up to 31 Genesys<sup>™</sup> power supplies.

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

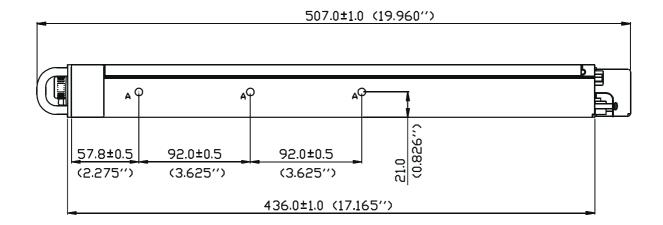
<sup>\*</sup> Included with power supply

# Outline Drawing Genesys™ 750W/1500W Units









# **NOTE**

- 1. Bus bars for 6v to 60v models (shown) Wire clamp connector for 80V 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

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