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

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 amplifiers 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
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 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.
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.

LAN Interface complies with LXI Class C Specification
## GenesySTM 750W/1500W Specifications

### 1.0 MODEL

#### 1.0.1 ANALOG PROGRAMMING AND MONITORING

<table>
<thead>
<tr>
<th>Specification</th>
<th>750W</th>
<th>1500W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vout/ Iout manual adjust by separate encoders (coarse and fine adjustment selectable)</td>
<td>V</td>
<td>6</td>
</tr>
<tr>
<td>1.4 ANALOG PROGRAMMING AND MONITORING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.4.1 CONSTANT VOLTAGE MODE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.4.1.4 Max line regulation (0.01% of Vo+2mA)*4</td>
<td>mV</td>
<td>2.6</td>
</tr>
<tr>
<td>1.4.1.5 Max load regulation (0.01% of Vo+2mA)*5</td>
<td>mVA</td>
<td>2.6</td>
</tr>
<tr>
<td>1.4.1.6 Ripple noise p-p 20MHz</td>
<td>mV</td>
<td>60</td>
</tr>
<tr>
<td>1.4.1.7 Ripple noise 5Hz~1MHz</td>
<td>mV</td>
<td>8</td>
</tr>
<tr>
<td>1.4.1.8 Digital sense compensation line</td>
<td>V</td>
<td>1</td>
</tr>
<tr>
<td>1.4.1.9 Temp. coefficient</td>
<td>PPM/°C</td>
<td>100</td>
</tr>
<tr>
<td>1.4.2 Up-prog response time, 0~Vo Rated</td>
<td>ms</td>
<td>80</td>
</tr>
<tr>
<td>1.4.3 Down-prog response time full-load</td>
<td>ms</td>
<td>10</td>
</tr>
<tr>
<td>1.4.4 Down-prog response time no-load</td>
<td>ms</td>
<td>500</td>
</tr>
<tr>
<td>1.4.5 Max. line regulation (0.01% of Io+2mA)*4</td>
<td>mA</td>
<td>12</td>
</tr>
<tr>
<td>1.4.6 Max. load regulation (0.02% of Io+5mA)*6</td>
<td>mA</td>
<td>25</td>
</tr>
<tr>
<td>1.4.7 Ripple noise 5Hz~1MHz*7</td>
<td>mA</td>
<td>200</td>
</tr>
<tr>
<td>1.4.8 Max load regulation (0.02% of Io+5mA)*6</td>
<td>mA</td>
<td>45</td>
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<tr>
<td>1.4.9 Ripple noise 5Hz~1MHz*7</td>
<td>mA</td>
<td>400</td>
</tr>
<tr>
<td>1.4.10 Transient response time</td>
<td>(95%~5%)</td>
<td>&lt;1ms</td>
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### 1.0.2 OUTPUT VOLTAGE AND CURRENT

<table>
<thead>
<tr>
<th>Specification</th>
<th>750W</th>
<th>1500W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.1 Rated output voltage(*1)</td>
<td>V</td>
<td>12.5</td>
</tr>
<tr>
<td>1.2.2 Rated output current(*2)</td>
<td>A</td>
<td>200</td>
</tr>
<tr>
<td>1.2.3 Rated Output Power</td>
<td>W</td>
<td>1200</td>
</tr>
<tr>
<td>1.2.4 Efficiency at 100/200V(*)</td>
<td>%</td>
<td>78/80</td>
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### 1.0.3 PROTECTIVE FUNCTIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>750W</th>
<th>1500W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3.1 OCP</td>
<td>0~105% Constant Current</td>
<td>X</td>
</tr>
<tr>
<td>1.3.2 OCP Foldback</td>
<td>Output shut down when power supply change from CV to CC. User selectable.</td>
<td>X</td>
</tr>
<tr>
<td>1.3.3 OVP type</td>
<td>Inverter shut-down, manual reset by AC input recycle or by OUT button</td>
<td>X</td>
</tr>
<tr>
<td>1.3.4 OVP trip point</td>
<td>0.5<del>7.5V: 0</del>10V</td>
<td>X</td>
</tr>
<tr>
<td>1.3.5 On/Off control (rear panel)</td>
<td>Less than 1mSec for models up to and including 100V. 2msec for models above 100V</td>
<td>X</td>
</tr>
<tr>
<td>1.3.6 Output Voltage monitor</td>
<td>TTL High=OK, 0V-Fail  500ohm impedance</td>
<td>X</td>
</tr>
<tr>
<td>1.3.7 Output Current monitor</td>
<td>0<del>5V or 0</del>10V, accuracy:1% ±0.1%</td>
<td>X</td>
</tr>
<tr>
<td>1.3.8 Power Supply OK signal</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>1.3.9 CV/CC indicator</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>1.3.10 Enable/Disable</td>
<td>Dry contact: Open, off: short on. Max. voltage at Enable/Disable in: 6V</td>
<td>X</td>
</tr>
</tbody>
</table>

### 1.0.4 FRONT PANEL

<table>
<thead>
<tr>
<th>Specification</th>
<th>750W</th>
<th>1500W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.4.1 Control functions</td>
<td>User selectable, latched or non latched</td>
<td>X</td>
</tr>
<tr>
<td>1.4.2 Display</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>1.4.3 Indications</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

### 1.0.5 1.6 Interface RS232&RS485 or Optional GPIB Interface

#### 1.6.1 Interface RS232&RS485 or Optional GPIB Interface

<table>
<thead>
<tr>
<th>Specification</th>
<th>750W</th>
<th>1500W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution (0.012% of Vo Rated)</td>
<td>mV</td>
<td>0.72</td>
</tr>
<tr>
<td>Accuracy (0.05%fs±1% of Vo Actual output)</td>
<td>mV</td>
<td>6</td>
</tr>
<tr>
<td>Resolution (0.02% of Io Rated)</td>
<td>mA</td>
<td>12</td>
</tr>
<tr>
<td>Accuracy (0.01%fs±1% of Io Actual output)</td>
<td>mA</td>
<td>200</td>
</tr>
<tr>
<td>Resolution (0.012% of Io Rated)</td>
<td>mA</td>
<td>24</td>
</tr>
<tr>
<td>Accuracy (0.01%fs±1% of Io Actual output)</td>
<td>mA</td>
<td>400</td>
</tr>
<tr>
<td>Resolution (0.02% of Io Rated)</td>
<td>mA</td>
<td>12</td>
</tr>
<tr>
<td>Accuracy (0.01%fs±1% of Io Actual output)</td>
<td>mA</td>
<td>400</td>
</tr>
<tr>
<td>Resolution (0.1% of Io Rated)</td>
<td>mA</td>
<td>24</td>
</tr>
<tr>
<td>Accuracy (0.01%fs±1% of Io Actual output)</td>
<td>mA</td>
<td>800</td>
</tr>
</tbody>
</table>

### 1.0.6 1.6 Interface RS232&RS485 or Optional GPIB Interface

<table>
<thead>
<tr>
<th>Specification</th>
<th>750W</th>
<th>1500W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution (0.012% of Vo Rated)</td>
<td>mV</td>
<td>0.72</td>
</tr>
<tr>
<td>Accuracy (0.01%fs±1% of Vo Actual output)</td>
<td>mV</td>
<td>12</td>
</tr>
<tr>
<td>Resolution (0.1% of Io Rated)</td>
<td>mA</td>
<td>12</td>
</tr>
<tr>
<td>Accuracy (0.01%fs±1% of Io Actual output)</td>
<td>mA</td>
<td>400</td>
</tr>
<tr>
<td>Resolution (0.1% of Io Rated)</td>
<td>mA</td>
<td>24</td>
</tr>
<tr>
<td>Accuracy (0.01%fs±1% of Io Actual output)</td>
<td>mA</td>
<td>800</td>
</tr>
</tbody>
</table>

### 1.0.7 1.6 Interface RS232&RS485 or Optional GPIB Interface

<table>
<thead>
<tr>
<th>Specification</th>
<th>750W</th>
<th>1500W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution (0.01% of Iout)</td>
<td>mV</td>
<td>6</td>
</tr>
<tr>
<td>Accuracy (0.1%fs±1% of Iout)</td>
<td>mV</td>
<td>60</td>
</tr>
</tbody>
</table>

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*1: 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. *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. *8: Time for the output voltage to recover within 0.5% of its value for a load change 10~90% of rated output. Output set point10~100. *9: Values have been calculated at Vo Rated & Io Rated.
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
1. 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
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.
6. Shock Less than 20G, half sine, 11mSec. Unit is unpacked.
7. Altitude Operating: 10000ft (3000m), Non operating: 40000ft (12000m).

2.4 EMC
1. Applicable standards:
   2. ESD IEC1000-4-2, Air-disch.-8KV, contact disch.-4KV
   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
   8. Radiated emission EN55022A, FCC part 15-A, VCCI-1
   9. Voltage dips EN61000-4-11

2.5 SAFETY
1. Applicable standards: CE Mark, UL60950, EN60950 Listed. Vout<60V: Output is SELV, IEEE/Isolated analog are SELV.
   60<Vout<400V: Output is hazardous, IEEE/Isolated analog are SELV.
   400<Vout<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 models: Input-Haz. Output: 2.5KVrms 1min, Input-SELV: 3KVrms 1min.
   Hazardous Output-SELV: 1.9KVrms 1min, Hazardous Output-Ground: 1.9KVrms 1min.
   Input-Ground: 2KVrms 1min.
3. Insulation resistance More than 100Mohm at 25 C , 70% RH, 500Vac

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: 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.

*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-S180 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 with or without Multi-Drop option.

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

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

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

P/N: IEBD
P/N: LAN
P/N: USB
P/N: IS510
P/N: IS420
P/N: MD
**Power Supply Identification / Accessories**

### How to order

| GEN  | 600 | 2.6 |  -  | -   | Factory Options | AC Cable option is 750W only | Region: E - Europe  
|------|-----|-----|-----|-----|----------------|-----------------------------|---------------------------|
| Series | Output Voltage (0–600V) | Output Current (0–2.6A) | | | | J - Japan  
| Name | | | | | | I - Middle East  
| | | | | | | U - North America  

### Models 750/1500W

<table>
<thead>
<tr>
<th>Model</th>
<th>Output Voltage VDC</th>
<th>Output Current (A)</th>
<th>Output Power (W)</th>
<th>Model</th>
<th>Output Voltage VDC</th>
<th>Output Current (A)</th>
<th>Output Power (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN6-100</td>
<td>0–6V</td>
<td>0–100</td>
<td>600</td>
<td>GEN50-30</td>
<td>0–50V</td>
<td>0–30</td>
<td>1500</td>
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<tr>
<td>GEN6-200</td>
<td>0–6V</td>
<td>0–200</td>
<td>1200</td>
<td>GEN60-12.5</td>
<td>0–12.5</td>
<td>0–25</td>
<td>750</td>
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<td>GEN6-90</td>
<td>0–90</td>
<td>0–180</td>
<td>720</td>
<td>GEN60-25</td>
<td>0–60V</td>
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<td>GEN8-180</td>
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<td>0–60</td>
<td>440</td>
<td>GEN80-9.5</td>
<td>0–80V</td>
<td>0–9.5</td>
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<td>GEN12.5-50</td>
<td>0–8V</td>
<td>0–60</td>
<td>750</td>
<td>GEN80-19</td>
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<td>0–19</td>
<td>760</td>
<td>GEN300-5</td>
<td>0–300V</td>
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<tr>
<td>GEN40-38</td>
<td>0–40V</td>
<td>0–38</td>
<td>1520</td>
<td>GEN600-1.3</td>
<td>0–1.3</td>
<td>780</td>
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<td></td>
<td>GEN600-2.6</td>
<td>0–600V</td>
<td>0–2.6</td>
</tr>
</tbody>
</table>

**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-C Class C)
- USB Interface

**AC Cords sets (750W only)**

<table>
<thead>
<tr>
<th>Region</th>
<th>Europe</th>
<th>Japan</th>
<th>Middle East</th>
<th>North America</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power</td>
<td>750W</td>
<td>750W</td>
<td>750W</td>
<td>750W</td>
</tr>
<tr>
<td>AC Cords</td>
<td>10A/250 Vac L=2m INTL 7/II IEC320-C13</td>
<td>13A/125 Vac L=2m IEC320-C13</td>
<td>13A/125 Vac L=2m SI-32 IEC320-C13</td>
<td>13A/125 Vac L=2m NEMA 5-15P IEC320-C13</td>
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<tr>
<td>Wall Plug</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Power Supply Connector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 | 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) |
   Power Supply Connector | | | |
   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