

November 2005

GENESYS™ 2U – 3.3kW

PROGRAMMABLE DC POWER

- High Power Density
- Output up to 600V or 400A
- Inputs - 230VAC 1 ϕ , 208VAC 3 ϕ , 400VAC 3 ϕ , 47/63Hz
- Power Factor (typ.) 0.99-1 ϕ , 0.94-3 ϕ
- Parallel Master/Slave
- Built In RS-232/RS-485 Interface
- CE Marked for Safety & EMC



SPECIFICATIONS

STANDARD INPUT VOLTAGES

170/265VAC Single Phase,
170/265VAC, 342/460 VAC, Three Phase, 47/63Hz

OUTPUT FEATURES

Regulation: Line: 0.010% + 2mV; 0.01%+2mA
Load: 0.015% + 5mV; 0.02%+5mA

PROTECTIVE FEATURES

Adjustable OVP, UVL Over-temperature
Front Panel Lock Safe/Auto Start
Adjustable Foldback (current)

ANALOG PROGRAMMING

0-5V, 0-10V User Selectable via DIP-Switch
RS-232/RS-485 Standard
Parallel Master/Slave Setting reports total current of up to four like supplies connected in parallel

OPTIONS (Factory Installed- Embedded)

IEEE (Standard) 488.2 / SCPI Compliant

Multi-Drop Options:

IEEE(MD) Master—Controls MD Slaves via RS-485

MD Slave - Accepts commands through IEEE

Master. Reduces cost vs. individual IEEE options.

Isolated Analog Programming

Allows operation with floating references and in harsh electrical environments.

IS510 - 0-5V & 0-10V User Selectable

IS420 - 4-20mA

MECHANICAL

All models 19" rack mount.

H:2U 3.5" (8.89cm); D: 17.5"(44.2cm) w/o connectors;

Wt. 36lbs (16kg) Max.

OUTPUT RATINGS			RIPPLE (5Hz - 1MHz)	NOISE (<20MHz)	MODEL NUMBER
WATTS	DC VOLTS	AMPS	mV RMS	P-P	
3200	0-8	0-400	8	60	GEN 8-400
3300	0-10	0-330	8	60	GEN 10-330
3300	0-15	0-220	8	60	GEN 15-220
3300	0-20	0-165	8	60	GEN 20-165
3300	0-30	0-110	8	60	GEN 30-110
3400	0-40	0-85	8	60	GEN 40-85
3300	0-60	0-55	8	60	GEN 60-55
3360	0-80	0-42	8	80	GEN 80-42
3300	0-100	0-33	8	80	GEN 100-33
3300	0-150	0-22	25	100	GEN 150-22
3300	0-300	0-11	35	150	GEN 300-11
3300	0-600	0-5.5	75	300	GEN 600-5.5

Specifications subject to change without notice.

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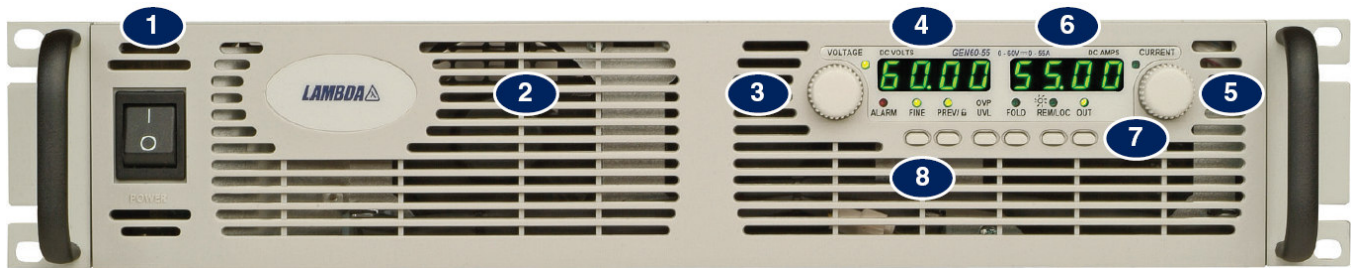
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Genesys Data Sheet2U 3kW112105.doc

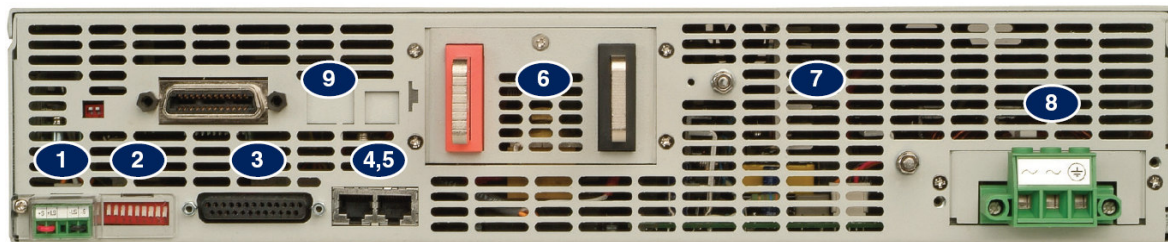


GENESYS™ 2U 3.3kW FRONT PANEL DESCRIPTION



1. On/Off Switch
2. Air intake allows zero stacking for maximum system flexibility and power density
3. Reliable encoder controls Output Voltage and sets Address
4. Digital voltage display shows Output Voltage and displays OVP, UVL and address settings
5. Reliable encoder controls output current and sets baud rate
6. Digital current display shows Output Current and also displays baud rate
7. Function/status LED's
 - Alarm
 - Fine control
 - Preview settings
 - Foldback mode
 - Remote mode
 - Output On
8. Pushbuttons allow flexible user configuration
 - Coarse and Fine adjustment of Output Voltage and Current
 - Preview and change output settings with Output On or Off
 - Set OVP and UVL limits, Set Parallel Master Mode.
 - Set Current Foldback
 - Front Panel Lockout
 - Local/Remote Mode
 - Select Address/baud rate
 - Output On/Off and Safe/Re-Auto Start Mode

GENESYS™ 2U 3.3kW 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 as well as other control and protection functions
4. RS-485 (Out) to other Genesys™ power supplies
5. RS-232/RS-485 (In) remote serial programming
6. Output terminals are rugged bus bars for 8 -100V output, 150 – 600V models have terminal block connector
7. Exit air assures reliable operation when zero stacked
8. Input:170/265VAC Single Phase (shown), 170/265VAC, 342/460 VAC, Three Phase 47/63Hz
9. Optional IEEE 488.2/GPIB (shown), IEEE Multi-Drop, or Isolated Analog Programming.

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