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Genesys™ 1U 750W and 1500W Programmable DC Power Supply

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Overview

Technical Details

Downloads

Technical Support

DOWNLOADS

- Brochure & Specifications
- Product User's Manual
- Outline Drawing (750W model)
- Outline Drawing (1500W model)
- IEMD Programming Manual
- LAN Programming Manual
- USB Programming Manual
- Software Drivers

FEATURES

- Wide-range Single-phase 85-265VAC input (47-63Hz)
- Built-In RS-232/RS-485 interfaces
- Multi-Drop (RS-485) Slave Interface (31 units)
- Last-Setting Memory
- High Resolution 16 bit ADC's and DAC's
- Continuous Encoders for Voltage and Current Adjustment
- Parallel Operation with Active Current Sharing and Current Sum
- Independent Remote ON/OFF (Enable/Disable)
- Remote Analog Programming (V/I) and Monitoring (V/I)
- Modular and SMT design
- 19" rack-mounted
- Optional built-in LXI compliant LAN interface
- Optional built-in IEEE (488.2/SCI) interface
- Optional built-in USB (2.0) interface
- Optional built-in Isolated Analog (5V/10V) interface
- Software Drivers (LabView/LabWindows)
- Worldwide Safety Agency approvals
- CE Mark for LVD and EMC regulation
- Five Year Warranty

OTHER SOLUTIONS

- GENH-1U (750W)
- GEN-1U (2.4kW)
- GEN-2U (3.3kW)
- GEN-2U (5.0kW)
- GEN-3U (10kW)
- GEN-3U (15kW)

- GENESYS™ - 1U (1.7kW)
- GENESYS™ - 1U (5kW)

- ESS (10kW/15kW)
- EMHP (15kW-90kW)

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Product Overview and Models

The Genesys™ 1U Full-Rack (GEN-1U) series of 750W/1500W DC Programmable Power Supplies provides high power density (up to 780W/1560W) with a complete set of user-friendly interfaces within a 1U (1.75") profile.

This series offers Output voltages from **6V** (@ 100A/200A) to **600V** (@ 1.3A/2.6A) and a wide-range Single-phase AC Input (85-265VAC, 47-63Hz) with Active Power-Factor Correction (**0.99** @ rated load).

Multiple remote programming methods are available including the built-in Remote Analog Program/Monitor and Remote Digital Serial Communication (RS-232/RS-485) Interfaces along with the optional LXI certified LAN, IEEE (IEEE 488.2 & SCPI compliant), USB (2.0 compliant) and Isolated Analog (5V/10V and 4-20mA) Interfaces.

All models are CE Marked in accordance with the Low Voltage and EMC Directives, are RoHS compliant, have worldwide Safety Agency approvals (UL/cUL 60950-1 and EN 60950-1 listed) and offer a five (5) year Warranty.

Model Number	Rated Power (Watts)	Output Voltage (Volts)	Output Current (Amps)	Voltage Ripple mV RMS (5Hz-1MHz)	Ripple & Noise mV p-p (<20MHz)	Efficiency % (100/200VAC)	Datasheet	Buy Online
GEN 6-100	600	0-6	0-100	8	60	76/78		BUY
GEN 6-200	1200	0-6	0-200	8	60	77/80		BUY
GEN 8-90	720	0-8	0-90	8	60	78/81		BUY
GEN 8-180	1440	0-8	0-180	8	60	78/81		BUY
GEN 12.5-60	750	0-12.5	0-60	8	60	81/84		BUY
GEN 12.5-120	1500	0-12.5	0-120	8	60	81/84		BUY
GEN 20-38	760	0-20	0-38	8	60	82/85		BUY
GEN 20-76	1520	0-20	0-76	8	60	83/86		BUY
GEN 30-25	750	0-30	0-25	8	60	82/85		BUY
GEN 30-50	1500	0-30	0-50	8	60	83/86		BUY
GEN 40-19	760	0-40	0-19	8	60	83/87		BUY
GEN 40-38	1520	0-40	0-38	8	60	84/88		BUY
GEN 50-30	1500	0-50	0-30	8	60	84/88		BUY
GEN 60-12.5	750	0-60	0-12.5	8	60	83/87		BUY
GEN 60-25	1500	0-60	0-25	8	60	84/88		BUY
GEN 80-9.5	760	0-80	0-9.5	8	60	83/87		BUY
GEN 80-19	1520	0-80	0-19	8	60	84/88		BUY
GEN 100-7.5	750	0-100	0-7.5	8	80	83/87		BUY
GEN 100-15	1500	0-100	0-15	8	80	84/88		BUY
GEN 150-5	750	0-150	0-5	10	100	83/87		BUY
GEN 150-10	1500	0-150	0-10	10	100	84/88		BUY
GEN 300-2.5	750	0-300	0-2.5	25	150	83/87		BUY
GEN 300-5	1500	0-300	0-5	25	150	83/87		BUY
GEN 600-1.3	780	0-600	0-1.3	60	300	83/87		BUY
GEN 600-2.6	1560	0-600	0-2.6	60	300	83/87		BUY

Ordering Information

Model	Voltage	Current	Factory Options	Line Cord (750W only)
GEN	60	-	25	-
			LAN	-
			IEMD	
			USB	

IS510
IS420

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