GENESYS ™

PROGRAMMABLE DC POWER

- Highest Power Density
- Built In RS232/RS485 Interface
- **Universal Input 85 – 265VAC,** Continuous, Single Phase, 47/63Hz
- Active Power Factor Correction 0.99
- Output up to 600V or 200A
- Worldwide Safety Approvals & CE Mark

SPECIFICATIONS

STANDARD INPUT VOLTAGE RANGE

Universal 85-265 VAC continuous 47/63Hz

OUTPUT FEATURES

Regulation 0.01% + 2mV line & load (cv)
0.01% + 2mA line (cc)
0.01% + 5mA load (cc)

PROTECTIVE FEATURES

Adjustable OVP, UVL
Adjustable Current Foldback
Over-temperature
Safe/Auto Start

PROGRAMMING

0-5V, 0-10V User Selectable via DIP Switch
RS232/RS485 Standard

OPTIONS (Factory Installed)

Embedded IEEE 488.2 / SCPI Compliant

- Program Voltage & Current
- Measure Voltage & Current
- Overvoltage setting & shutdown
- Current Foldback Setting & Shutdown
- Labview Drivers available

Isolated Analog Program/Monitor

- Rear panel operation for harsh electrical environments and series master/slave
- IS510 - 0-5V & 0-10V User Selectable
  IS420 - 4-20mA

MECHANICAL (All models 19" rack mount)

H: 1U; D: 17"(6.7cm) w/ocConnectors; Wt. 18lbs (8.2Kg)

OUTPUT RATINGS			RIPPLE (5Hz - 1MHz)	NOISE (<20MHz)	MODEL NUMBER
WATTS	DC VOLTS	AMPS	mV RMS	p-p	
600	0-6	0-100	8	60	GEN 6-100
1200		0-200	8	60	GEN 6-200
720	0-8	0-90	8	60	GEN 8-90
1440		0-180	8	60	GEN 8-180
750	0-12.5	0-60	8	60	GEN 12.5-60
1500		0-120	8	60	GEN 12.5-120
760	0-20	0-38	8	60	GEN 20-38
1520		0-76	8	60	GEN 20-76
750	0-30	0-25	8	60	GEN 30-25
1500		0-50	8	60	GEN 30-50
760	0-40	0-19	8	60	GEN 40-19
1520		0-38	8	60	GEN 40-38
750	0-60	0-12.5	8	60	GEN 60-12.5
1500		0-25	8	60	GEN 60-25
760	0-80	0-9.5	8	80	GEN 80-9.5
1520		0-19	8	80	GEN 80-19
750	0-100	0-7.5	8	80	GEN 100-7.5
1500		0-15	8	80	GEN 10-15
750	0-150	0-5	12	100	GEN 150-5
1500		0-10	12	100	GEN 150-10
750	0-300	0-2.5	20	120	GEN 300-2.5
1500		0-5	20	120	GEN 300-5
780	0-600	0-1.3	60	300	GEN 600-1.3
1560		0-2.6	60	300	GEN 600-2.6

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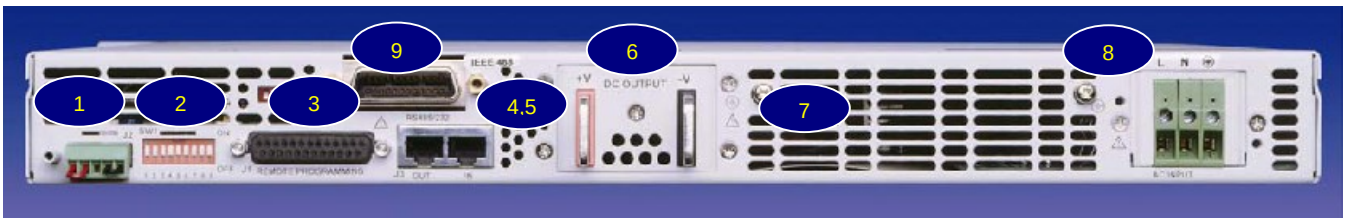
GENESYS™ FRONT PANEL DESCRIPTION

1. AC on/off
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. Digital current display shows output current and also displays baud rate
6. Reliable encoder controls output current and sets 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 voltage and current adjustment of output
   - Preview and change output settings while in current mode or with output off
   - Set OVP and UVL limits
   - Set current foldback
   - Local/remote mode and select address and baud rate
   - Output on/off and safe/auto start mode

GENESYS™ 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 functions
4. RS485 (out) to other Genesys power supplies
5. RS232/RS485 (in) remote serial programming
6. Output terminals are rugged bus bars for 6-60V output, higher output voltage models have terminal block connector
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) AC input connector 750W: IEC320, 1500W: screw terminal model shown
9. Position for optional IEEE 488 (GPIB) shown or isolated analog programming

Specifications subject to change without notice

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