

GEN 3.3K SERIES

Laboratory AC/DC Supplies: 3300 Watts



Features

- Single phase 240V, 208V and 415V 3 phase input • Power factor correction 0.99
- High power density 3300W in 2U
- Output options up to 600V, current up to 400A • Built in RS232/RS485 interface - standard.
- Optional GPIB (SCP) interface
- Software calibrations and last setting memory • High resolution, 16 bits ADCs and DACs
- Reliable encoders for voltage and current adjustment • Constant voltage/constant current
- Parallel operation with active current sharing • Series operation (with external diodes)
- Independent remote ON/OFF
- Remote enable/disable
- Power supply OK signal (5V = OK)
- External analogue programming and monitoring • Optional isolated analogue programming and monitoring • Lab view and lab windows drivers

Programming

- Analogue programming: 0 - 5V or 0 - 10V selectable
- Analogue programming: 0 - 5V/10Kohm resistance
- ON/OFF control: 0-0.6V / 2-15V selectable or dry contact
- Output V/A monitor: 0 - 5V or 0 - 10V selectable
- Power supply OK signal: 5V = OK, 0V = Fail
- CV/CC Indicator: CV TTL high (4 - 5V) source 10mA, TTL low (0 - 0.4V) 10mA
- Enable Disable: Dry contact. Short ON

Specifications

INPUT:	170~265VAC 1 phase 170~265VAC 3 phase 342~460VAC 3 phase
FREQUENCY:	47~63Hz
POWER FACTOR:	0.93 / 0.98 @ 230V / 415V
HARMONICS:	EN61000-3-2, -3, 4
INPUT CURRENT:	17.5A @230VAC 6.3A @ 415VAC
EFFICIENCY:	Model dependent 82 - 88%
LEAKAGE CURRENT:	3mA maximum
REMOTE SENSE:	Yes. 5V compensation depending on model
PROTECTION:	Overcurrent 0-105% constant current. Output shutdown when power supply changes from CV to CC user selectable
OVP:	Shutdown, manual rest by recycling AC input or by OUT button, rear panel
OVP TRIP POINT:	User selectable
OVERTEMP PROTECTION:	User selectable, latched or non latched
HOLD-UP TIME:	Typically 10ms at 230VAC & FL
EMC STANDARDS:	ESD: EN61000-4-2 Air Dis Skv Fast transients: EN61000-4-4 Surge Immunity: EN61000-4-5 Conducted Immunity: EN61000-4-6 Radiated Immunity: EN61000-4-3 Conducted Emission: EN55022 A Radiated Emission: EN55022 A
SAFETY:	EN60950, UL60950 approved. CE marked
OPERATING TEMPERATURE:	0~50°C at 100% load
STORAGE TEMPERATURE:	-20°C to 70°C
OPERATING HUMIDITY:	20 - 90% RH no condensation
VIBRATION:	MIL-810F method 514.5
SHOCK:	Less than 20G, half sine, 11msec.
ALTITUDE:	10,000ft / 3,000m operating
COOLING:	Forced air, front to rear. No holes top or bottom of the unit, variable speed fan.
DIMENSIONS:	19in x 2RU Rack mounting 482.5 x 88 x 440mm (excl. rear bus bars)
WEIGHT:	13kg
AC INPUT CONNECTOR:	Phoenix Combicon with strain relief
DC OUTPUT:	8V to 100V models: bus bars 150V to 600V models: terminal block

Instruction manual, application notes and further technical information available from our website: www.amtex.com.au



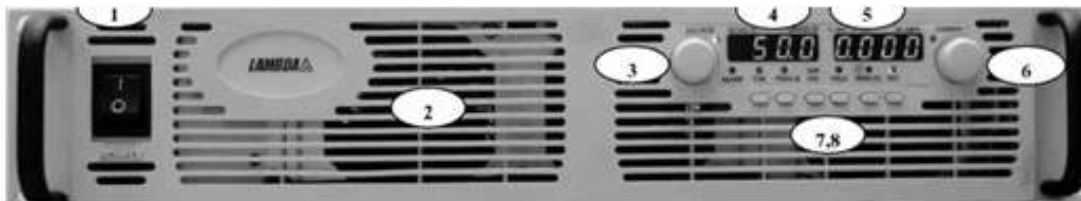
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Model	Output		Power W
	V	A	
GEN8 - 400	0-8V	400A	3200W
GEN10 - 330	0-10V	330A	3300W
GEN15 - 220	0-15V	220A	3300W
GEN20 - 165	0-20V	165A	3300W
GEN30 - 110	0-30V	110A	3300W
GEN40 - 85	0-40V	85A	3300W

Model	Output		Power W
	V	A	
GEN60 - 55	0-60V	55A	3300W
GEN80 - 42	0-80V	42A	3300W
GEN100 - 33	0-100V	33A	3360W
GEN150 - 22	0-150V	22A	3300W
GEN300 - 11	0-300V	11A	3300W
GEN600 - 5.5	0-600V	5.5A	3300W

Front Panel Description



1. On/Off Switch.
2. Air intake allows zero stacking for maximum system flexibility and power density.
3. Reliable encoders control output voltage and current, set address and Baudrate.
4. Volt display shows output voltage and directly displays OVP, UVL and address settings.
5. Current display shows output current and displays Baudrate. Displays total current in parallel master/slave mode.
6. Function/status LEDs: alarm, fine control, preview settings, foldback mode, remote mode, output ON.
7. Pushbuttons allow flexible user configuration: coarse and fine adjustment, parallel master/slave, preview settings, front panel lockout, set OVP and UVL limits, local/remote mode, output ON/OFF and auto-restart/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 programme and monitor and other functions.
4. RS-485 OUT to other Genesys™ power supplies.
5. RS-232/485 IN remote serial programming.
6. Output connections: rugged busbars (shown) for up to 100V output, Phoenix connector for outputs >100V.
7. Exit air assures reliable operation when zero stacked.
8. Inputs available: 230VAC single phase (shown), 208 and 400VAC three phase, 50/60Hz.
9. Optional interface position for IEEE 488.2 (GPIB) (shown), or isolated analog programming interfaces.