

3000W, DC POWER SOURCE WITH 0...10V/300A ADJUSTABLE OUTPUT LVC3000 SERIES

- Adjustable outputs of 0...10VDC and 300A
- Adjustable voltage limits
- 3000W output power
- Analogue or digital voltmeter and ammeter
- Full electronic protection
- Telecom quality
- Field-proven design
- Custom output ranges available



The LVC3000 is a 3000W, DC power source with an adjustable output voltage range of 0-10VDC and a 300A output that can be set in seven increments of 43A. Output voltage and current are displayed on analogue (or digital) meters. This rugged design features high efficiency, low output noise and full protection. The LVC3000 is comprised of seven LVC319 power modules connected in parallel and installed in a 4Ux19"x18" enclosure.

SPECIFICATIONS

Input Voltage

120/230VAC, $\pm 15\%$
47 - 63Hz

Input Protection

Thermal Fuse (internal, on each module)
Inrush current limiting

Input Isolation

2250VDC input to chassis
2250VDC input to output,
8mm spacing
500VDC output to chassis

Designed to meet IEC950, CSA
22-2-950 and UL 1950.

EMI

Meets EN 55022 Class A

Output Voltages

10VDC/300A
Consult factory for other voltages

Output Voltage Adjustment

Adjustable 0-10VDC via
potentiometer

Output Current Adjustment

In steps of 43A by shutting down
internal modules

Line Regulation

0.5%

Load Regulation

$\pm 1.5\%$ from 10% load to full load
including output separation diodes

Output Protection

Rectangular current limiting with
short circuit protection. Thermal
shutdown with auto-reset in case
of continuous overload

Output Over-voltage Protection

Second regulator loop independent
of main regulator loop

Efficiency

Min 75% at full load

Output Ripple/Noise

High frequency ripple/noise does
not exceed 100mVpp(20HZ BW)

Operating Temperature

0 to +50°C for full specification.
Extended temperature range
available

Temperature Drift

0.03% per °C over operating
temperature range

Dimensions/weight

4Ux19"x18"mm
48lb (22kg)

Connections:

Screw type terminal block
For other connectors please consult
factory

Warranty

Twelve months subject to
application within good
engineering practice

Enhancements to these general specifications and customizing can be accommodated upon request
Designed to meet all approval requirements

**Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems
and DC-input fluorescent lamp inverters since 1982. Custom or standard.
Absopulse is a BABT-approved Facility**

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