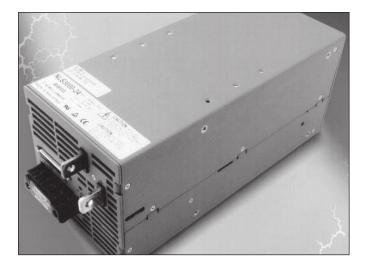
## **NLS3000 SERIES**

#### AC/DC Single Output: 24V 3000 Watts



### **Specifications**

INPUT: 240 VAC (180~264)

**FREQUENCY:**  $47 \sim 63$ Hz

INPUT CURRENT: 21A @ FL

OUTPUT VOLTAGE: 24 VDC (21.6~27.5 adjustment)

OUTPUT CURRENT: 125A

MINIMUM LOAD: Zero

EFFICIENCY: 83.5% at 230V and FL

INRUSH CURRENT: 30A cold start

POWER FACTOR: 0.99

HARMONICS: EN61000-3-2

RIPPLE & NOISE: 1% pk-pk (Bandwidth 20MHz)

**LINE REGULATION:**  $\pm 0.2\%$  at constant load

**LOAD REGULATION:**  $\pm 0.5\%$  0-100% with constant input

TEMP CO-EFFICIENT: 0.03% per°C

OVERCURRENT PROTECTION: Constant current limiting with auto

recovery, set at approx. 105% output

werhouse

OVERVOLTAGE PROTECTION: Set 28-32V, output shutdown.

To reset: recycle AC input after 30 sec.

REMOTE SENSE: Yes

OVERTEMP. PROTECTION: Yes, output shutdown.

To reset: recycle AC input after 30 sec.

TURN ON TIME: Typically 1 sec.

**HOLD-UP TIME:** Typically 15ms.

**REMOTE ON/OFF:** Yes, 0.05V will inhibit the supply.

≥2V or open, will enable the supply. Logic return ref to - VE output. TTL low is disable and high is enable.

POWER FAIL: Upon loss of AC power, signal goes from

high to low after 5ms before output fails

o 85%.

TTL low is fault and high is OK.

OUTPUT POWER GOOD: Provides output logic high signal. TTL low is fail and high is OK.

TIL low is fall and flights OK.

OUTPUT CURRENT MONITOR: Reference to -VE output. Analog signal

0.5V is proportional to 0-100% load,

 $\pm 10\%$  accuracy.

OPERATING TEMPERATURE: 0°C to +50°C at FL

COOLING: Internal forced air.

VIBRATION: 10-55hZ (sweep for 1 min) 14.7 m/s<sup>2</sup>

constant, X, Y, Z, 1 hour

SHOCK: Less than 147.1m/s<sup>2</sup>

**DIMENSIONS & WEIGHT:** 127 x 127 x 308mm incl. terminals. 5.4kg

 $(W \times H \times D)$ 

# **Features**

- Wide input 180~264VAC
- 3000 watts output power
- Zero load operation
- Power factor corrected 0.99
- Meets EN61000-3-2
- Safety to UL1950, EN60950
- CE marked
- EMC to EN55022 Level A
- · Short circuit protection
- Over voltage and over current protection
- AC Fail and DC Fail signals
- Compact design 127 x 127 x 308mm

MODEL	Output		Power
	V	Α	W
NLS3000 - 24	24V	125A	3Kw
NLS3000 - 28 - DPC	28V	107A	3Kw

#### Note:

Model NLS3000 - 28 - DPC, with isolation diode for N+1 redundancy and power share feature.

Instruction Manual/ Application Notes are available from our website







