

NLS3000 SERIES

AC/DC Single Output: 24V 3000 Watts



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 W
	V	A	
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



Specifications

INPUT :	240 VAC (180~264)
FREQUENCY:	47 ~ 63Hz
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:	±0.2% at constant load
LOAD REGULATION:	±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
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 to 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.
OUTPUT CURRENT MONITOR:	Reference to -VE output. Analog signal 0.5V is proportional to 0-100% load, ±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 ² constant, X, Y, Z, 1 hour
SHOCK:	Less than 147.1m/s ²
DIMENSIONS & WEIGHT:	127 x 127 x 308mm incl. terminals. 5.4kg (W x H x D)