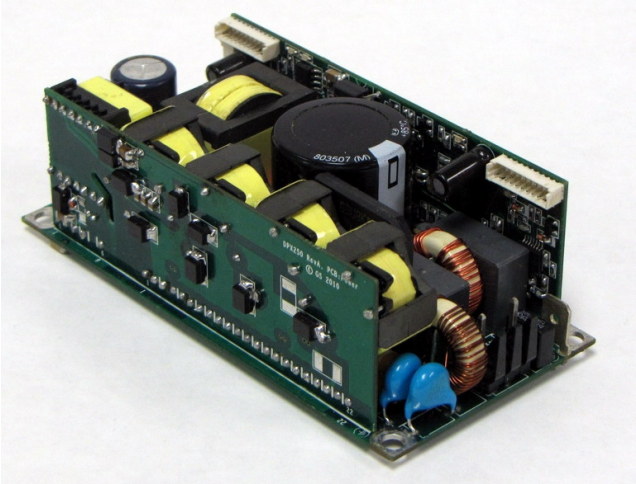
N2Power™
A Qualstar® Company

New Product Bulletin -
XL270AC-DC Series 2" x 4" Power Supplies*

- 270 W AC-DC | 2" x 4" FOOTPRINT
- UP TO 92% EFFICIENCY
- HIGH POWER DENSITY: OVER 25.3 W/in3
- REMOTE ON | OFF
- 5W 5V STANDBY SUPPLY
- UNIVERSAL AC INPUT
- ACTIVE PFC (90 – 264 VAC)
- ACTIVE OR-ING FOR N, N+1
- ACTIVE INRUSH CURRENT PROTECTION
- RoHS COMPLIANT
- PMBus™ INTERFACE FOR DIGITAL POWER MANAGEMENT (OPTIONAL)



POWER SUPPLY DESIGN LEADER

N2Power™ leads the power density race with its small, high efficiency XL270 Series AC -DC power supplies. Our advanced technology yields a very small footprint, reduces wasted power, and offers the highest power density in its class. This efficient design means reduced energy costs, a greater return on your investment, greater reliability and longer product life.

STATE-OF-THE-ART DIGITAL CONTROLLER

The XL270 is the first power supply in this class to use two digital signal processors to control the unit's operation. The microcontroller monitors the following parameters:

- Output voltage
- Output current
- Auxiliary 12V output voltage
- Transformer temperature

The microcontroller enables the main output whenever all of the required startup conditions are met, and shuts it down upon command, loss of input power or whenever excessive loads or temperatures are sensed. It always provides advanced warning of an impending shutdown before output power is lost.

PMBus™ OPTION

An optional PMBus™ digital communications interface is available to allow up to four XL270s to communicate over the same bus using the PMBus™ protocol. This interface allows routine remote control of the main outputs and the 12V fans. The host can also query the microcontroller for its output voltage and current plus the ambient and transformer temperatures and fan tachometer speed. Because it is programmable, the microcontroller code can be customized to meet unique OEM requirements.

Model	Part Number	Output	Voltage	Regulation %	Max Current (A)	Ripple & Noise (P-P)
XL270-12 XL270-12-CS	400029-02-1 400029-01-3	V1	12	±3	22.9	100 mV
		V2	12	±5	1.0	80 mV
		V3	5sb	±5	1.0	50 mV

Note: 24V, 48V and 54V models are planned

***Preliminary specifications shown. Subject to change without notice.**

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