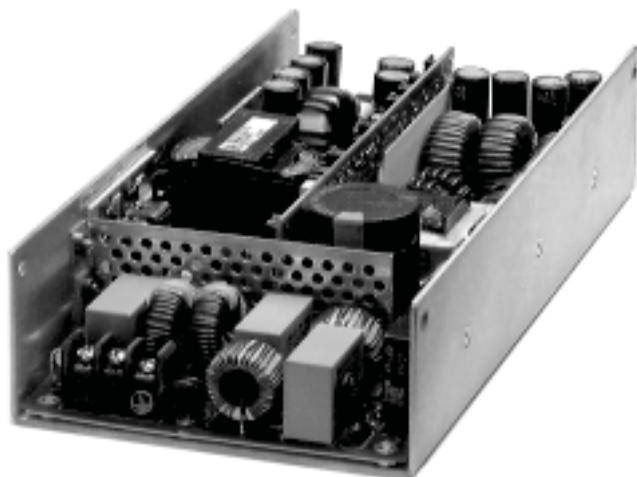


## **OBSOLETE PRODUCT**

Contact Factory for Replacement Model

# **400 WATT AC/DC POWER SUPPLY**

## **PX400/402**



### **DESCRIPTION**

The PX400 is a compact 400 watt Power Factor Corrected, multiple output power supply. All outputs are fully isolated and regulated. Active current sharing circuitry, together with control functions and alarm options, simplifies N+1 and redundant applications. Fan and disk drive applications are handled by the peak current ratings of the auxiliary outputs.

### **FEATURES**

- Active Power Factor Correction
- High Surge Current Auxiliary Outputs
- FCC/VDE Class B EMI Filter
- Fully Isolated and Regulated Outputs
- Compact Size: 10" x 4.85" x 2.19"
- One, Two, Three and Four Output Models
- Optional Cover With Fan

### **AGENCY APPROVALS**



## Input Specifications

Parameter	Conditions	Min	Typ	Max	Units
Operating Range	47-63 Hz	90		264	V <sub>AC</sub>
Inrush Current Limiting	120 V <sub>AC</sub> , cold start			30	APK
	240 V <sub>AC</sub> , cold start			60	APK
Efficiency	Nominal line and full load		75		%
Power Factor Correction (PFC)	Meets IEC 1000-4-7/EN61000-3-2 (formerly IEC 555-2)			0.99	

### Remote Sense

Remote Sense is provided on Output #1 and will compensate for 1.0V of line drop. Remote Sense leads are protected against open, short and reversal.

### Remote On/Off

The power supply is turned on with a TTL logic '1' (or open) signal and turned off by a switch closure or TTL logic '0' referenced to (-) sense terminal. Consult the factory for other options.

### Over Voltage Protection

Output #1: 6.5V,  $\pm 0.5$  V<sub>DC</sub>

The power supply will latch off until AC power is cycled.

### Over Current Protection

Individual current limit on all outputs. Automatic recovery upon fault removal.

### Transient Response

The peak output voltage excursion will not exceed 2% and will recover within 1% in 200  $\mu$ sec for a 25% step load.

### Output Isolation

All outputs are fully isolated.

### Reverse Voltage Protection

All outputs are protected to rated load current.

### Power Fail Signal

Upon AC input voltage removal, the power fail signal drops to logic zero at least 10msec before loss of DC output. Upon AC input turn-on, signal remains low until outputs are in regulation. Consult the factory for other options.

### N+1 Load Share (PX402)

Output #1 has active load sharing circuitry. Units will load share within 1% of the Maximum Rated Load.

### Over Temperature Protection

Thermal switch turns off power supply if overheating occurs and automatically restarts.

### Safety

UL Recognized: UL File Number E14675 (1950 & 1012)

CSA Certified: CSA File Number LR 9070-154C  
(C22.2 No9. 234-M90, Level 6)

TUV License Number: R9576029 (EN60950) (IEC950)

### Cooling

The unit is designed to operate with 40 CFM of airflow.

## Output Voltages and Maximum Rated Loads

MODEL NUMBER	OUTPUT #1		OUTPUT #2		OUTPUT #3		OUTPUT #4	
	V <sub>OUT</sub>	I <sub>MAX</sub>	V <sub>NOM</sub>	I <sub>MAX</sub> /I <sub>PK</sub>	V <sub>NOM</sub>	I <sub>MAX</sub> /I <sub>PK</sub>	V <sub>NOM</sub>	I <sub>MAX</sub>
PX400/402-U3A	±5V	70A	± 12V	15A/17A	± 12V	15A/17A	-	-
PX400/402-U3B	±5V	70A	± 15V	15A/17A	± 15V	15A/17A	-	-
PX400/402-U4C	±5V	70A	± 12V	12A/14A	± 12V	12A/14A	± 5V	3.0A
PX400/402-U4D	±5V	70A	± 12V	12A/14A	± 12V	12A/14A	± 24V	2.0A
PX400/402-U4E	±5V	70A	± 12V	12A/14A	± 12V	12A/14A	± 12V	3.0A
PX400/402-U4F	±5V	70A	± 15V	12A/14A	± 15V	12A/14A	± 5V	3.0A
PX400/402-U4G	±5V	70A	± 15V	12A/14A	± 15V	12A/14A	± 24V	2.0A
PX400/402-U4H	±5V	70A	± 12V	12A/14A	± 12V	12A/14A	± 5.2V	10.0A
PX400/402-U4I	±5V	70A	± 15V	12A/14A	± 15V	12A/14A	± 5.2V	10.0A
PX400/402-U4J	±5V	20A	± 17V	3A	± 17V	3A	± 24V	10.0A
PX400/402-U4K	±5V	25A	± 12V	10A	± 12V	10A	± 12V	4.0A
PX400/402-U4L	±5V	30A	± 12V	10A	± 12V	10A	± 5.2V	3.0A
PX400/402-U4M	±5V	30A	± 15V	12A	± 15V	12A	± 5.2V	10.0A
PX400/402-U4N	±5V	70A	± 12V	12A	± 12V	12A	± 3.3V	10.0A
PX400/402-U4P	±5V	30A	± 12V	10A	± 12V	12A	± 24V	3.0A
PX400/402-U4R	±5V	20A	± 15V	4A	± 15V	4A	± 24V	10.0A
PX400/402-U4S	±5V	20A	± 12V	8A	± 12V	3A	± 24V	10.0A

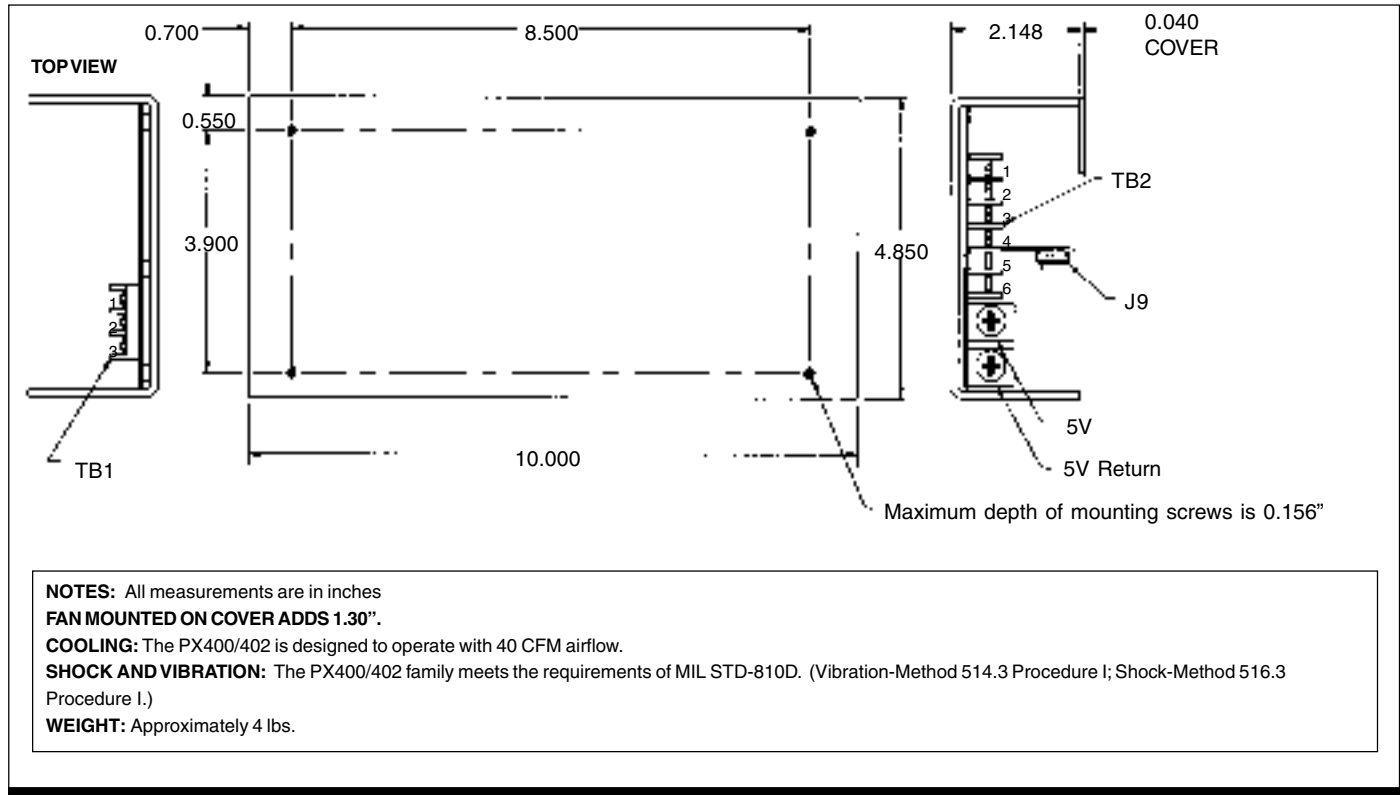
Note: Peak current ratings are for 10sec maximum. Total power not to exceed 400 watts.

## Output Specifications

Parameter	Limits
Regulation	
Line	± 0.1%
Load	±0.5%
Cross	±0.1%
Minimum Load	
Output #1	2.5A
Hold-Up Time	30mSec at Full Load

Parameter	Conditions	Min	Typ	Max	Units
Voltage Adjustment Range			±5		%
PARD	20 MHz bandwidth		0.5		% P-P
Temperature					
Operating		0		40	°C
Storage		-20		+85	°C
Temperature Coefficient (Tc)	After half hour warm-up		± 0.02		% /°C

## Mechanical



### Pin Specifications

Terminal Block 1		Terminal Block 2	
POS	FUNCTION	POS	FUNCTION
1	Ground	1	-V4
2	AC Neutral	2	+V4
3	AC Line	3	-V3
		4	+V3
		5	-V2
		6	+V2

### Connector Specifications

J9 Connector		J9 Connector	
PIN	FUNCTION		Molex No.
1	- Sense	Connector	22-28-1050
2	+ Sense		
3	Current Share		
4	Remote Inhibit		
5	Power Fail		

Model PX402 features Active Current Sharing

Standard Options are shown, consult factory for other available options.