

# Power For The New Technology

## PF-90-29

Total Power	110 Watts
Input Voltage	90-264 VAC
Outputs	5V, 24V

### SPECIAL FEATURES

- 90-264 VAC input
- Power factor correction
- UL, CSA, TUV, BABT Recognized
- EN55022 Class B

### ENVIRONMENTAL

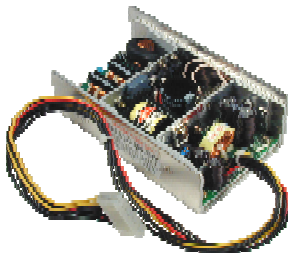
Ambient Operating Temperature: 0 to +50°C, full rating.

Humidity: Up to 95% non-condensing

Temperature coefficient:  $\pm 0.01\%$  / °C

Storage Temperature: -20° to +85°C

Cooling: External cooling by minimum of 10CFM



### ELECTRICAL SPECIFICATIONS

#### Input

Input.....90 -264 VAC; 47-63Hz;  
Power Factor >0.99

Inrush Current (264 Vac).....<30 Amps peak  
Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits

Complies with EN55022 & FCC Class B with minimum 6 dB margin

Efficiency.....> 75% typical at full load

#### Output

DC Output.....Maximum continuous output power  
110 Watts with external cooling. See Voltage/Current Rating  
Chart.

Line / Load Regulation... .....1%

Ripple and Noise < 2% typical

Transient Response... 1% Maximum deviation;

### MECHANICAL

5.8" L X 1.85" H X 3.37" W (147.3 mm X 47 mm X 85.6 mm)

Input connector: Molex P/N 26-60-4020

Output connector: Molex P/N 09-50-8083



## **Output**

Over voltage protection (Latching)  
Over current protection (Latching)

Over temperature protection reset with hysteresis

Short Circuit Protection.....Will withstand a continuous short without damage.

Minimum Load Rqmt.....No minimum load required.

No Load Operation.....No damage to supply when operating at no load.

Hold-Up Time.....50 mSec typical

## **Voltage/Current Rating Chart**

Voltage	Current Minimum	Current Maximum
5V	0A	3A
12V	0A	4A

## Output Connector PIN out Assignment

Description	PIN
5V	1
12V	7, 8
12V RTN	2, 3, 4, 5, 6