

# Power For The New Technology

## APR-6000-12-R-YE

|                |            |
|----------------|------------|
| Total Power    | 6000 Watts |
| Input Voltages | 90-264 VAC |
| Outputs        | 12V @ 500A |

### SPECIAL FEATURES

- Third Wire current sharing capability
- 16W/ cu in. fits 1U applications
- Power Factor correction > 0.97
- Full range AC
- UL, CSA, TUV, BABT (pending)

### ENVIRONMENTAL

Ambient Operating Temperature: 0 to +50°C.

Humidity: Up to 95% non-condensing

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

Storage Temperature: -20° to +85°C

Cooling: Power supplies provide their own cooling.



### ELECTRICAL SPECIFICATIONS

#### Input

Input.....90 - 264 VAC; 47-63Hz;  
Power Factor >0.97

Inrush Current (264 Vac).....50 Amps peak @ 25 °C

Isolation.....4242VDC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits

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

Efficiency..... 87% typical at 220Vac and full load

#### Output

DC Output.....Maximum continuous output power  
1200 Watts per slot with internal cooling. See Voltage/Current  
Rating Chart.

Load Regulation..... 1% (total)

Ripple and Noise < 200mV typical

Transient Response..... 4% Maximum deviation;  
Current Sharing; Third Wire.

### MECHANICAL

16.8"L x 1.75"H x 17.5"W (426.7mm x 44.5mm x 444.5mm)

#### Status signals and indicators

DC Good

AC Good



## Output

Over voltage protection – (Latching)

Over current protection – (Latching)

Over temperature protection. (non-Latching)

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

Minimum Load Rqmt.....0% of full load main output.

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

Hold-Up Time.....16 mSec typical

OVP.....14V typical

## Voltage/Current Rating Chart

|         |      |     |
|---------|------|-----|
| Voltage | 12V  | 12V |
| Current | 100A | 0A  |

## 25 PIN D-SUB Connector PIN Outs

| Function | Pin        |
|----------|------------|
| DC_OK 1  | 1          |
| DC_OK 2  | 2          |
| AC_OK 2  | 3          |
| DC_OK 3  | 4          |
| AC_OK 3  | 5          |
| DC_OK 4  | 6          |
| AC_OK 4  | 7          |
| DC_OK 5  | 8          |
| 5V AUX.  | 9          |
| - Sense  | 10         |
| AC_OK 5  | 11         |
| ENABLE   | 13         |
| AC_OK 1  | 14         |
| N.U.     | 12,15 - 25 |

## Rear View



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## Mechanical Outline

