



# AC-DC RACKMOUNT 1800W POWER SUPPLY



WRPS 1800R

## DESCRIPTION

CME's AC-DC, 1800W, 16-32V, 60A, 2U rackmount power supply meets the demands for DC power in almost any application that includes burn-in racks, fixed voltage ATE source and production test DC power distribution. The design is based on reliable modular and SMT technology. CME's advanced power supply provides an output of 1800 watts, and provides reliable electric power to energize the DC equipment loads. The CME 1800R provides maximum performance and meets DC power supply demands of any industry. The CME 1800R is compatible with multiple power sources (US & EU) and aircraft.

## APPLICATIONS

This power supply provides a flexible and reliable AC to DC power system suitable for mission critical applications within various industries (Test & Measurement, Telecommunications, Industrial and Laboratory).

## KEY FEATURES & BENEFITS

### PHYSICAL

- 19-inch rackmounted for ATE and OEM applications •
- Small footprint, 17.0 in. x 13 in. x 3.5 in.
- Air cooled

### OPERATIONAL

- Worldwide AC inputs
- LED displays for voltage output adjustments
- Resettable circuit breaker on rear panel for AC input and DC output protection

## SPECIFICATIONS

### INPUT POWER

- 85 to 250 Volts AC, 47 to 63 Hz. Input and 380 Hz to 420 Hz
- Full output power with 110 Volts AC at 20 amps input
- 20 AMP Resettable breaker on input for protection
- Input connection labeled J1 with the connector

### OUTPUT POWER

- Manually adjustable output voltage from 16 to 32 VDC
- Continuous current from 0 to 60 amperes
- Load regulation for no-load to full-load excursions:  $\pm 0.3$  VDC regulation
- Output voltage regulation  $\pm 0.5$  volt across input voltage & operating temperature range
- Output ripple less than 100 mV over 0 to 60 amps
- Output voltage drift of less than 1% over 8 hours at constant line, load and temperature
- Protection from input power transients
- Over voltage protection included
- 60 amp resettable breaker for output protection

### ENVIRONMENTAL

- Operational temperature range: 32°F to 122°F (0°C to 50°C)
- Storage temperature range: -4°F to 158°F (-20°C to 70°C)
- Altitude range: up to 15,000 feet (4572 m)
- Meets functional transit shock per MIL-STD-810G, 516.6 Procedure IV
- Conforms to EMI performance requirements for CE102, RE102 and RS103 of MIL-STD-461F
- Mean time between failure of 100,000 hours



CME 1800R

Rear  
View