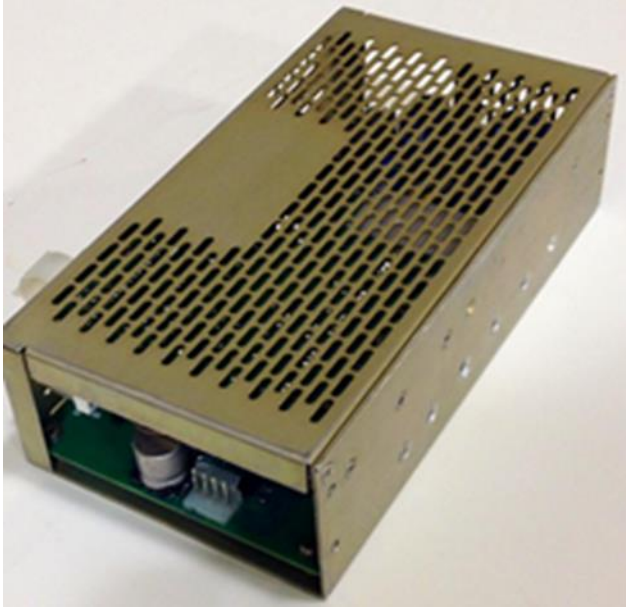




## 250W AC-DC INDUSTRIAL/MILITARY POWER SUPPLY



*Industrial/Military AC-DC Power Supply  
250W*

### APPLICATIONS

These power supplies are generally used as components intended for professional installation into industrial and military end-use equipment. The chassis/cover option is recommended.

Applications for this power supply include power supply integration needs that include, but not limited to:

- Portable, Field Test Set Power Supply
- Test Equipment Rack Power Supply
- Pressure/Vacuum Pump Power Supply
- Healthcare Equipment Power Supply
- Military application power supply

### DESCRIPTION

CME has a wide range of industrial switching power supplies from 200W to 1800W that can be customized for various industry and military applications. We have power supplies that will fit 1U applications and offer a solution from 1 to 4 outputs with standard DC outputs 2.5V, 3.3V, 5V, 12V, 15V, 24V, 28V and 48V. CME can modify our standard units to meet your special output voltage requirements for customization.

For a military test set, this 250W industrial power supply was system tested for compliance with MIL-STD-810 and MIL-STD-461 conducted and radiated emissions to simulate operation in a typical installation. Contact us if you need the product as is, or a semi-customized unit configured for you.

### KEY FEATURES

The standard 250W AC-DC Power Supply features include:

- Universal Input: 85 VAC to 264 VAC; Input Frequency: 47-63 Hz; 400 Hz
- Single Output (12V, 24V, 48V, or other as requested)
- Operating Temperature: -40°C to +62°C at full power
- Limited in-rush current
- EMI/RFI filtering
- Short circuit protection with auto-recovery
- Over-voltage shutdown with auto-recovery; Over temperature shutdown with auto-recovery
- Power Factor Corrected
- High Efficiency
- Open Frame or Chassis/Cover standard
- 2 Year Warranty

*Use Our Expertise to Design and Build Your Solutions!*

Custom Manufacturing & Engineering™ ♦ AS9100D with ISO 9001:2015 Registered ♦ A2LA ISO 17025 Accredited  
3690 70<sup>th</sup> Avenue North, Pinellas Park, FL 33781 USA ♦ TEL: 727.547.9799 x1799 ♦ FAX: 727.541.8822

240W AC-DC PS Datasheet 083018(A)

## SPECIFICATIONS

<b>INPUT</b>	<p>Input Voltage: AC 85-264 VAC          Input Frequency: 47-63 Hz; 400 Hz          Input Current: 3.5A max at 100 VAC, 2.0 A max at 264 VAC          Power Factor: 0.95 minimum          Earth Leakage Current: &lt;1.5mA RMS at any input</p>
<b>OUTPUT</b>	<p>Output Voltage: 12V (9.6 - 14.4V), 28V (22.4 - 33.6) and 48V (38.4 - 57.6V), 250W and 500W maximum          Line Regulation: 100mV maximum of over full input range          Load Regulation: 100mV maximum of overall outputs          Ripple and Noise: 80 mV (Vo = 12V), 120 mV (Vo = 24, 48 V). Measured pk-pk with a 20 MHz bandwidth          Over current protection: 105 - 140% (Automatic Recovery)          Over voltage protection: 125 - 145% (recycle input to reset)          Over temperature: Fitted with auto restart Protection</p>
<b>EFFICIENCY</b>	85% Typical (full load, room temperature)
<b>ENVIRONMENTAL</b>	<p>Operating Temperature: -40°C to +62°C at full power          Storage Temperature: -51°C to +85°C          Operating Humidity: 5-95% RH, at &lt; 55°C operating &amp; 71V in storage          Operating Altitude: 5000m          Vibration: average 3g continues and 30g shock, any axes</p>
<b>EMC &amp; SAFETY</b>	<p>Emissions: MIL-STD-461 conducted and radiated emissions, CE102, CS101, CS114, RE102, and RS103          MIL-STD-810 method 511 procedure 2</p>
<b>RELIABILITY</b>	MTBF 70000 hours typical to MIL-HDBK-217F at 25°C, GB
<b>STATUS &amp; CONTROL</b>	AC on/off switcher; Power output good; AC LED input indicator
<b>WEIGHT</b>	3 lb
<b>SIZE</b>	8.27 in (210 mm) long x 4.53 in (115 mm) wide x 2.63 in (60 mm) high

