



MFP 300 Military Fixed Power Supply

ePower by AMREL

Features and Benefits

Fully Sealed, Fanless, MIL-STD "COTS" DC POWER SUPPLY

INPUT SPECIFICATIONS

Input AC Connector: MS3102E16-10P
Input Frequency Range: 45~440Hz
Input Current: 6A Max
Inrush Current: In-rush Current Limiter
Efficiency (300W): >85% @ 120Vac
PFC: > 95% @ Full Operating Power

OUTPUT SPECIFICATIONS

DC Output: 24~28Vdc @ 300W
DC Output Connector: MS3112E10-6S
Max Normal Output Current: 12.5Adc @ 300W
PARD (20MHz): < 30mVp-p/2mVrms

PROTECTION FEATURES

Output Over-voltage: OVP @ 30Vdc (Red LED indicator)
Output Over-current/Short Circuit Protection:
 Self-recovering Current Limiting Protection @ 15Adc
Over-temperature: OTP Protection @100°C Internal Temp. (Red LED)
Input Over-current: In-rush Current Limiter

PACKAGING AND COOLING

Cooling: Sealed Convection
Dimensions: 12" X 7.6" X 3.5"
Weight: 8.9lbs

SAFETY SPECIFICATIONS

Input to Case Isolation: 1500Vac
Input to Output Isolation: 1500Vac
Output to Case Isolation: 1500Vdc

*1. Preliminary Specifications and subject to change without notice
 *2. Shock (MIL-STD-810/Method 516) & Vibration (MIL-STD-810/Method 514-3)
 *3. MIL-STD-461E - (CE102, CS101, CS102, CS114, CS115, CS116, RE102, RS103)
 *4. PFC: > 95% @ Full Operating Power

Convection Cooled: Ultra-quiet Operation

Rain/Dust/Sand Resistant: Quality Performance in Harsh & Hazardous Conditions

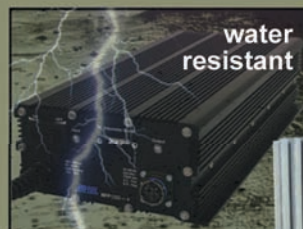
Condensation-proof: Reliable & Rugged Operation You Can Trust

Wide Operating Temp.: Continuous Operation from -40°C ~ 70°C

MIL-STD 810F Compliance: Enhanced Shock and Vibration Protection

MIL-STD 461E Compliance: Protected against EMI/RFI Conditions

MFP SERIES RUGGED TO MIL STD 810



Rugged Military Connector



Customizable-Originally designed and used for the LCMR (counter mortar radar detection), the MFP is now available for your specific application.