



28VDC Power Distribution Unit



Based on the latest generation of Solid State Power Controllers (SSPCs), our +28VDC Power Distribution Unit (PDU) can filter, distribute, control, and monitor up to 16 independent power channels.

The PDU includes local and remote-control interfaces that provide real time feedback to support diagnostics.

Remote monitoring is performed through Ethernet connectivity. Data reported can be used for system-level diagnostics and prognostics, enabling predictive, condition-based maintenance, which all helps to provide increased availability and continued mission readiness.

The local management interface supports channel resets, lockouts, trip indication, system status, and system control.

Features

- Ethernet Management
- Transient Filtering
- 16 Independent Load Channels
- Instant Trip & I²t Protection
- Controlled Rise/Fall Times
- Low Power Dissipation Across Channels
- Factory-set Default Channel Configurations
- Remote Power Off Control

Benefits

- Local & Remote Control
- Diagnostic & Prognostic Data
- Automated/Controllable Power Control
- Automated/Controllable Load Shedding
- Automated/Preventative Maintenance
- Improved Mission Safety & Longevity
- Increased System Up-Time/Reliability
- Standard EIA 19-Inch Rack-Mountable

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AS9100



Specifications

- Power Input Voltage: +28VDC
- Power Output Amperage By Channel
 - Nine Channels @ 5.5A
 - Two Channels @ 10.0A
 - Five Channels @ 12.0A
- Custom Configurations Available

Indicators

- Power Status
- Fault

Dimensions (EIA-310 Compliant)

25.05" (L) x 19.00" (W) x 3.48" (H)

Weight

48 lbs.

Environmentally Qualified to the Following Standards

- Electrical Power – MIL-STD-704A
- Temperature – RTCA DO-160G, Section 4, Categories A1 & B1
- Altitude – RTCA DO-160G, Section 4, Category B1
- Rapid Decompression – RTCA DO-160G, Section 4, Category B1
- Temperature Variation – RTCA DO-160G, Section 5, Category B
- Humidity – RTCA DO-160G, Section 6.3.2, Category B
- Structural Loads/Acceleration – RTCA DO-160G, Section 7, Category B
- Vibration – RTCA DO-160G, Section 8, Category S
- Explosive Conditions – RTCA DO-160G, Section 9
- Salt Atmosphere – RTCA DO-160G, Section 14, Category S
- Lightning (Indirect Effects) – RTCA DO-160G, Section 22
- Electromagnetic Effects – MIL-STD-461F

