

Power Distribution Unit for Navy Ship Satellite System



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The power distribution unit distributes the power from the 115 VAC/60 Hz source to 10 different outputs. In addition, it feeds one output with a converter that can be adjusted to 9, 12, 16, 20, 24 and 28 VDC output voltage levels. The power distribution unit is 19 rack mountable and has a height of 2 U.

Input Features

● Input Voltage	115 VAC/60 Hz 1-phase
● Input Voltage Range	AC Inputs: 103.5–126.5 VAC phase-neutral
● AC Input Voltage Frequency Range	46–66 Hz
● No-load Power Consumption	<1,0 A

Output Features

● Number of AC Outputs Switched	10
● Number of DC Outputs Switched	1
● DC Input Installed Power	25 A

Mechanical Properties

● Width	483±1 mm
● Height	88±1 mm
● Depth	370±1 mm
● Weight	15±0,5 kg

Electromagnetic Compatibility

● MIL-STD-461F (Navy, Surface Ships, Below Deck)	CE101, CE102 CS101, CS106, CS114, CS115, CS116 RE101, RE102 RS101, RS103
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Environmental Characteristics

● Operating Temperature	MIL-STD-810G w/Change 1 0°C ~ +45°C
● Storage Temperature	MIL-STD-810G w/Change 1 -10°C ~ +60°C
● Sudden Temperature Change	MIL-STD-810G w/Change 1 Method 503.6
● Noise	MIL-STD-1472G, it does not produce more than 75 dB of noise
● Mechanical Shock	MIL-S-901D, Shock Grade: B, Equipment Class: II, Shock Type Test: Type A, Test Category: Medium Weight Shock Test
● Vibration	MIL-STD-810G w/Change 1, Method 514.7, MIL-STD-810G w/Change 1, Category 21, Method 528.1
● Humidity	MIL-STD-810G, %95 humidity (Without condensation)