

380 VAC/28 VDC Low Altitude Radar Power Distribution Unit



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Input Voltage Range	AC Input Frequency Range	Number of Switched Outputs	Rated Installed Power
176–265 VAC 18–36 VDC	47–63 Hz	20	11 kVA (AC) 5 kW (DC)

Specially designed for radar vehicles. While the designed power distribution unit can be fed from four different sources, it supplies both alternating current and direct current outputs. Strength the distribution unit is qualified in the relevant military standards for land platforms and is suitable for in-vehicle/shelter use. It can transfer system information and in-circuit test results to the user via its LCD screen.

Input Features

● Input Voltage	380 VAC/50 Hz 3-phase Battery: 28 VDC rated Battery Charging Unit: 28 VDC rated Alternator: 28 VDC rated
● Input Voltage Range	AC Inputs: 176–265 VAC phase-neutral DC Inputs: 18–36 VDC
● AC Input Voltage Frequency Range	45–55 Hz
● No-load Power Consumption	<2,5 A

Output Features

● Number of AC Outputs Switched	10
● Number of DC Outputs Switched	10
● AC Input Installed Power	50 A/3-phase
● DC Input Installed Power	150 A

Mechanical Properties

● Width	680±1 mm
● Height	354±1 mm
● Depth	672±1 mm
● Weight	55±2 kg

Electromagnetic Compatibility

● MIL-STD-461F	CE102 CS101, CS114, CS115, CS116 RE102 RS103
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Environmental Characteristics

● Operating Temperature	MIL-STD-810G, -32°C ~ +50°C
● Storage Temperature	MIL-STD-810G, -40°C ~ +71°C
● Rain	MIL-STD-810G, Method 506.5, Procedure I
● Mechanical Shock	MIL-STD-810G, Method 516.6, Procedure I, Functional Shock, 40 g 11 ms
● Vibration	MIL-STD-810G, Method 514.6, Procedure I, Category 20A, Military Ground Vehicles
● Humidity	MIL-STD-810G, %95 humidity (Without condensation)

Protections

● AC input high voltage protection	Closes the AC outputs.
● AC input low voltage protection	Closes the AC outputs.
● DC input high voltage protection	Closes the DC outputs.
● DC input low voltage protection	Closes the DC outputs
● Battery reverse connection protection	The DC outputs do not supply from the battery.