

Radar Vehicle Power Distribution Unit



Radar Vehicle Power Distribution Unit

Input Voltage Range	AC Input Frequency Range	Number of Switched Outputs	Rated Installed Power
176–265 VAC 18–36 VDC	47–63 Hz	21	55 kVA (AC) 1,9 kW (DC)

Specially designed for radar tool. The designed power distribution unit supplies the power it receives from four different sources to both alternating current and direct current outputs. The power 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	400 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	19
● Number of DC Outputs Switched	2
● AC Input Installed Power	250 A/3-phase
● DC Input Installed Power	70 A

Mechanical Properties

● Width	650±1 mm
● Height	735±1 mm
● Depth	680±1 mm
● Weight	125±5 kg

Electromagnetic Compatibility

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

● Operating Temperature	MIL-STD-810G -32°C ~ +49°C
● Storage Temperature	MIL-STD-810G -40°C ~ +60°C
● Solar Radiation	MIL-STD-810G, A1 Climatic Zone
● Rain	MIL-STD-810G, Method 507.4, Procedure II
● Low Pressure	MIL-STD-810G, Method 500.5, Procedure II
● Mechanical Shock	MIL-STD-810G, Method 516.6 Shock, Procedure I, Functional Shock, 20 g 11 ms
● Vibration	MIL-STD-810G, Category 20, Military Ground Vehicles
● Humidity	MIL-STD-810G, %95 humidity (Without condensation)
● Dust	MIL-STD-810G Method 510.5, Procedure I, Tossing Dust

Protection

● 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.