

380 VAC/28 VDC Power Distribution System

Input Voltage Range	AC Input Frequency Range	Number of Switched Outputs	Rated Installed Power
176–265 VAC 18–36 VDC	47–63 Hz	44	66 kVA (AC) 2,8 kW (DC)

Low Altitude Radar is specially designed for fixed unit cabin. The designed power distribution unit feeds the power it receives from five 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 230 VAC/50 Hz 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	47–63 Hz
● No-load Power Consumption	<3,0 A

Output Features

● Number of AC Outputs Switched	35
● Number of DC Outputs Switched	9
● AC Input Installed Power	250 A/3-phase 50 A/1-phase
● DC Input Installed Power	100 A

Mechanical Properties

● Width	850±1 mm
● Height	900±1 mm
● Depth	700±1 mm
● Weight	155±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 -35°C ~ +55°C
● Storage Temperature	MIL-STD-810G -45°C ~ +65°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, Category 8, 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.
● Unit over-temperature protection	Gives warning.
● Battery reverse connection protection	The DC outputs do not supply from the battery