

380 VAC/28 VDC Electro Optical System Power Distribution Unit



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Input Voltage Range	Number of Switched Outputs	Rated Installed Power
9-36 VDC	20	2.8 kVA (AC) 7 kW (DC)

It is specially designed for electro-optical system. While the designed power distribution unit can be fed from two different sources, it supplies 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. Outputs are switched as solid state. It has the ability to turn off/on the remote outputs with its built-in embedded software. CIT (In-Circuit Test) statuses are displayed to the user through the interface program.

Input Features

● Input Voltage	380 VAC/50 Hz 3-phase Battery: 28 VDC rated
● Input Voltage Range	AC Inputs: 176-265 VAC phase-neutral DC Inputs: 9-36 VDC
● AC Input Voltage Frequency Range	45-55 Hz
● No-load Power Consumption	<2,5 A

Output Features

● Number of AC Outputs Switched	3
● Number of DC Outputs Switched	17
● AC Input Installed Power	13 A/1-phase
● DC Input Installed Power	250 A

Mechanical Properties

● Width	340±1 mm
● Height	200±1 mm
● Depth	350±1 mm
● Weight	15±0,5 kg

Electromagnetic Compatibility

● MIL-STD-461F	CE102 CS101, CS114, CS115, CS116, CS118 RE102 RS103
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Environmental Characteristics

● Operating Temperature	MIL-STD-810G -32°C ~ +63°C
● Storage Temperature	MIL-STD-810G -40°C ~ +70°C
● Solar Radiation	MIL-STD-810G, A2 Climatic Zone
● Rain	MIL-STD-810G, Method 506.5, Procedure I
● 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

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.