



Rack Type Power Converter and Power Distribution Unit For Portable Radar and EW Systems



GKDB-RT02U0026-220028-0107



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Input Voltage Range	Number of Switched Outputs	Total Output Power
176-264 VDC	8 adet	2.6 kW (AC)

GKDB-RT02U0026 power supply, developed for 19" cabinet, works as both a power converter and power distribution unit.

It distributes the 220V AC input voltage and the 28V DC voltage it produces from this voltage to its outputs in a controlled way.

It has one 220V AC output and seven 28V DC outputs. AC output power is 660W and total DC output power is 2000W.

With two Ethernet interfaces, functions such as turning the outputs on and off can be managed remotely.

It can provide distant information about the operating status such as the positions of the circuit breakers, input voltage, output voltage and current drawn from the outputs.

When not remotely managed, it can operate optionally programmable startup and protection scenarios.

GKDB-RT02U0026 is qualified according to relevant military standards for land platforms.

Input Features

● Input Voltage	220 VAC / 50 Hz
● Input Voltage Range	176-264 VAC
● AC Input Voltage Frequency Range	45-55Hz
● No-Load Power Consumption	<0,5 A

Environmental Characteristics

● Operating Temperature	MIL-STD-810G -30°C ~ +55°C
● Storage Temperature	MIL-STD-810G -40°C ~ +60°C
● Vibration	MIL-STD-810G, Method 516.6 Category 4
● Mechanical Shock	MIL-STD-810G, Method 516.6 Shock, Procedure I Functional Shock, 20g 11ms

Output Features

● Number of AC Outputs Switched	1
● Number of DC Outputs Switched	7
● AC Output Current	3 A
● DC Output Current	70 A

Mechanical Properties

● Width	429±1 mm
● Height	83±1 mm
● Depth	493±1 mm
● Weight	13±1 kg

Elektromagnetic Compatibily

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

● AC input high voltage protection	Closes the AC and DC Outputs. The outputs can be adjustable.
● AC input low voltage protection	Closes the AC and DC Outputs. The outputs can be adjustable.
● DC input high voltage protection	Closes the DC Outputs. The outputs can be adjustable.
● DC input low voltage protection	Closes the DC Outputs. The outputs can be adjustable.
● Unit over-temperature protection	Closes the AC and DC Outputs. The outputs can be adjustable.
● Output Current Protection	It has adjustable overcurrent protection for each output.