



28 VDC (10kW) Anti Drone System Power Distribution Unit



GKDB-AO100-028-14



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Power Distribution Unit

Input Voltage Range	Numbers of Output Switched	Total Output Power
10-36 VDC	14	10 kW

GKDB-AO100-028-14 power distribution unit, which has been developed to be used in outdoor, distributes the 28V DC voltage it receives from the source to its outputs in a controlled way.

It has 14 28V DC outputs with a total power of 10kW.

With two Ethernet and one RS422 interface, functions such as turning the outputs on and off can be managed remotely.

It can provide remote 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-AO100-028-14 is suitable for use on fixed, marine and land vehicles and is qualified according to relevant military standards for land platforms.

Input Features

● Input Voltage	28VDC
● Input Voltage Range	10-36 VDC
● No-Load Power Consumption	< 0,5A

Output Features

● Number of DC Outputs Switched by Relay	2
● Number of DC Outputs Switched by Solid State	12
● Output Current	350 A

Mechanical Properties

● Width	260±1 mm
● Height	370±1 mm
● Depth	258±1 mm
● Weight	17±1 kg

Elektromagnetic Compatibility

● MIL-STD-461F	MIL-STD-461G CE102 CS101, CS114, CS115, Cs116, Cs118 RE102 Rs103
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Environmental Characteristics

● Operating Temperature	MIL-STD-810H -32°C ~ +55°C
● Storage Temperature	MIL-STD-810H -40°C ~ +63°C
● Vibration	MIL-STD-810H Method 514.8 Category-20 Procedure-I, Figure 514.8C-6
● Mechanical Shock	MIL-STD-810H Method 516.8, Procedure I-Functional Shock, 40g 11ms
● Humidity	MIL STD-810H Method 507.6, Procedure II Figure 507.6-7, % 95 relative humidity (non-condensing)
● Rain	MIL-STD-810H, Method 506.6 Procedure
● Sand/Dust	MIL-STD-810H Method 510.7, Procedure I & II
● Icing	MIL-STD-810H Method 521.4 (6mm icing)
● Fungus	MIL-STD-810H Method 508.8

Protections

● DC input high voltage protection	DC output is turned off.
● DC input low voltage protection	DC output is turned off.
● Output Current Protection	It has adjustable overcurrent protection for each output.