

12V 24V 48V Power Module DD696

ULTRA
RELIABLE



The **DD696** series of switchmode dc power supply module have a proven record of high reliability in the hostile environment of road-side cabinets.

It may be used in conjunction with a battery, a remote temperature sensor and a **DD695** battery low disconnect module to provide a fully backed standby supply.

The **DD696** has an active *current share* connection to allow two units to be run in parallel and support a larger load or provide *hot standby* operation.

Electrical

Input voltage: 230 Volts (186-265) single phase

Input frequency: 50 or 60 Hz $\pm 5\%$

Input current: 5 Amp maximum

Output voltage range, current limit & max power:

48V 48 - 60 Volt, 12 Amp, 660 Watt

24V 24 - 30 Volt, 20 Amp, 550 Watt

12V 12 - 15 Volt, 25 Amp, 345 Watt

Voltage regulation: 0.5% (Load and input change)

Output ripple: < 2mV Psophometric

Efficiency: > 90% at full load

Protective fuses:

Input: 5 Amp antisurge – internal

Output: **12V** & **24V** 30 Amp internal

Output: **48V** 15 Amp internal

Alarms: High, low and module fail

Contacts: Volt-free common change over alarm or separate, normally-open with common wiper

Indicators: Front panel LEDs

Mechanical

Size: 19" rack mounting

2U high x 185mm deep, (220mm with **DD695**)

Weight: 4kg

Level of protection: to IP20

Connections:

Mains input - lead with IEC plug (supplied)

DC output - H15 free socket (supplied)

Environmental

Temperature:

Operational: -10 to +60°C

Functional above +60°C (with auto-reset)

Shutdown at +85°C internal

Cooling: Natural convection

Relative humidity: 85% up to 30°C

Safety: Compliance with *Low voltage directive* **CE**

EMC: Compliance with *EMC directive* **CE**

Features

- **Temperature compensation:** with external sensor
- **Active current share for parallel operation**
- **Proven to be rugged and reliable**



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