

# Rugged Power Distribution Unit

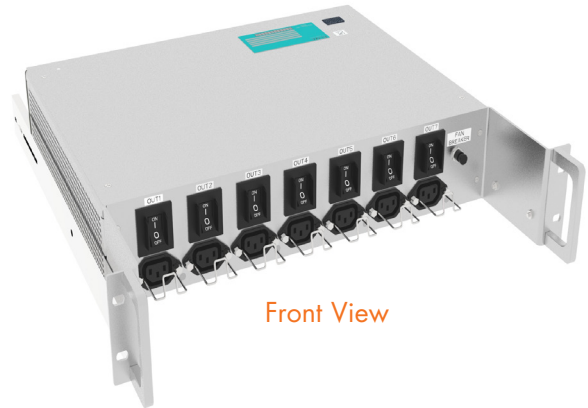
## DESCRIPTION

Elma Electronic's rugged Power Distribution Unit (PDU) is designed for use in harsh environments. The chassis has been designed to fit into a 2U space height within a 19" rackmount cabinet.

The unit can be mounted on slide rails, on a shelf, or as part of a fixed installation within the cabinet. The front panel of the unit has been recessed to ensure that mated cables will not interfere with the front door of smaller cabinets. The depth of the unit is approximately 430mm (excluding rear mating connectors), ensuring it will fit in most cabinets.

Power entry is on the rear of the unit using a circular connector. Up to 8 IEC outlets can be supplied on the front panel, with each output having an individual control switch and overcurrent protection breaker. Customisable front and rear panels allow the type and quantity of connectors fitted and their location on the unit to be changed to suit any application. The rating of the overcurrent protection breaker can be tailored for each output to ensure downstream equipment is correctly protected.

Internally, the unit is fitted with a controller card, which provides discrete controls to turn off the outputs or allow links to over-temperature and battle override functions.



Front View



Rear View

## Key Features

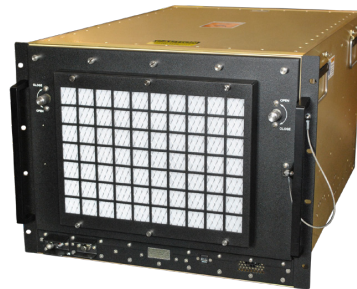
- 2U high x 430 mm deep
- Multiple mounting options
- Customisable front and rear panel and connectors
- Operation: 100 – 240V AC, 50 – 60Hz, 20A max input current
- Input Power Filter for EMC / EMI compliance
- Internal temperature monitoring
- External remote control and status reporting
- Weight 6 kg
- Shock tested to 1.5G
- Temperature tested from -25°C to +55°C
- Assembled with LSZH wiring

## Environmental

- Shock and vibration to DEF-STAN-00-35
- Shock and vibration To MIL-STD-810
- EMC to DEF-STAN-59-411
- EMC to MIL-STD-461

## RELATED PRODUCTS

- Rugged cabinets built to military standards
- 19" rackmount chassis and power systems
- Linear and fixed mount power supplies and systems



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