19"/2 PWR2123

All in one

The power distribution unit PWR2100 Series offers AC input, 4 DC outputs, and includes a high-performance UPS. In effect, the series combines three power products in one: AC/DC conversion, power distribution, and UPS.

The unit is designed in the 19"/2 form factor and is optimized to provide power for complete 19"/2 systems.

The unit comes with SNMP functionality as standard, which enables remote monitoring of ports, battery status, temperature, etc. This makes the PWR2100 Series an ideal power solution for mobile systems in demanding environments - even when the electricity goes out.

Mounting

The 19”/2 standard enables flexible mounting with customized brackets. The unit can be mounted in a 19” rack, half racks, directly to a surface and in any angle.

Guaranteed performance

Our products always come with a lifetime support to ensure your equipment maintains peak performance for many missions to come. We also serve units and stock spare parts for 5 years end-of-life.

Features

- SNMP v3 compliant
- 110VAC to 230VAC
- UK Plug
- Passively cooled

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Connector Interfaces

POWER OUT 1-4 (front)	4 connectors which each has: • 1x Power
SERVICE (back)	• 1x RS232 Service
SERVICE-E (front)	• 1x 100BASE-TX

Other Interfaces

1x Cable gland (back)
5x Battery capacity indicator (front)
5x Battery load indicator (front)
1x LOAD Button (front)
1x MUTE Button (front)
1x System Button (front)

Technical Specification

Audiable Warning Signal	The unit shall be able to provide a audiable warning signal that may be muted.
UPS SNMP	SNMP v3 compliant
UPS function	Automatically switch to battery power when no AC/DC power is prescent
Power capacity	192W 250W peak 4Ah (depending on load and temperature)
Power consumption	15W (Idle) 30W (Charging, no load) 250W (Charging, full load)
Power input	110VAC to 230VAC
Power input cable	UK Plug
Power output	On main power 110-230V AC, Normal mode. Output Voltage: 24V DC. Max 8A On battery power, Battery mode. Output Voltage: 20-32 V DC, 8A continously.
Coating and color	Dupont AE0305-6603120 (RAL6031)
Cooling	Passively cooled
Dimensions Width and Height	220x44mm (8,66x1,74 inch) (WxH)
Earth point	M6 12mm
Rack Mounting depth	400mm (17,4 inch)
Surface treatment chassis	Chromit-Al
Weight	5.6 kg (12.6 lbs)

Environmental Specification (*designed to meet)

Contamination by fluids*	MIL-STD-810G, Method 504.1, Procedure II - Small Systems
Functional Shock - Operating*	MIL-STD-810G. Method 516.6, Procedure I - Functional Shock. Table 516.6-II, Terminal peak sawtooth pulse, Ground equipment 40g 11 ms
High temperature - Operating*	MIL-STD-810G, method 501.5, Procedure II - Operation 55 °C (131 °F)
High temperature - Storage*	MIL-STD-810G, method 501.5, Procedure I - Storage 71 °C (160 °F)
Humidity*	MIL-STD-810G, Method 507.5, Procedure II - Aggravated 95 ± 4 %rh Ten 24-hour cycles
IP Class (Solid Particle Protection)*	IP Class 6X
IP Class (Water)*	IP Class X5
Low air pressure - Rapid Decompression*	MIL-STD-810G, Method 500.5, Procedure III - Rapid Decompression 75.2kPa, corresponding to 2,438m (8.000 ft) 17kPa, corresponding to 12192m (40.000 ft)
Low air pressure - Operating*	MIL-STD-810G, method 500.5, Procedure II - Operation/Air Carriage 4572m (15.000 ft)
Low air pressure - Storage/Air Transport*	MIL-STD-810G, method 500.5, Procedure I - Storage/Air Transport. 17 kPa, corresponding to 12192m (40.000 ft)
Low temperature - Operational*	MIL-STD-810G, method 502.5, Procedure II - Operation -40 °C (-40 °F)
Low temperature - Storage*	MIL-STD-810G, method 502.5, Procedure I - Storage -40 C (-40 °F)
Noise level*	Maximum noise level of 40dB SPL A-weighting @ 1m (3,3 ft) distance
Salt fog*	MIL-STD-810G Method: 509.5 5% +- 1% (by weight) Two cycles, 24h wet + 24h dry /cycle
Temperature Shock - Operating*	MIL-STD 810G, method 503.5 procedures I - C, - Multi-cycle shocks from constant extreme temperature 55 °C (131 °F) - 40 °C (-40 °F)

Vibration - Helicopter*	MIL-STD-810G. Method 514.6, Procedure I - General vibration, Category 14 - Rotary wing aircraft - helicopter
Vibration - Loose Cargo*	MIL-STD-810G. Method 514.6, Procedure II - Loose cargo transportation, Category 5 - Truck/ trailer - loose cargo
Vibration - Tracked Vehicles*	MIL-STD-810G. Method: 514.6 , Procedure 1 - General Vibration, Category 20 - Ground vehicles - ground mobile, tracked vehicles
Vibration - Wheeled Vehicle*	MIL-STD-810G. Method: 514.6 , Procedure 1 - General Vibration, Category 20 - Ground vehicles - ground mobile, wheeled vehicles

EMC Specification (*designed to meet)

CE EMC*	EMC Directive 2014/30/EU.
EMI conducted CE102*	The unit shall pass MIL-STD-461F BASIC CURVE 220
EMI radiated RE102*	MIL-STD-461F 2MHz – 18Ghz Navy Mobile & Army
EMS conducted CS101*	MIL-STD-461F, Method CS101, conducted suceptibility, power leads CURVE #1 30Hz to 150kHz
EMS conducted CS114*	MIL-STD-461F 10kHz - 200MHz Army, Ground
EMS conducted CS115*	MIL-STD-461F
EMS conducted CS116*	MIL-STD-461F 10 kHz to 100 MHz
EMS radiated RS103*	MIL-STD-461F 2MHz to 1GHz Army
ESD*	EN61000-4-2:2009 Level 3 EN50024:1998 Performance criteria B + A1:2001 + A2:2003