

19"/2 AC/DC US Plug PWR1122



All in one

The power distribution unit PWR1120 Series offers AC input, 9 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 PWR1120 Series an ideal power solution for mobile systems in demanding environments - even when the electricity goes out.

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
- US Plug

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Connector Interfaces

POWER OUT 1 - POWER OUT 9 (front)	9 connectors which each has: <ul style="list-style-type: none"> 1x Power Output
SERVICE (back)	<ul style="list-style-type: none"> 1x RS232 Service
SERVICE-E (front)	<ul style="list-style-type: none"> 1x ETH 100BASE-TX

Other Interfaces

1x Cable gland (back)
5x Battery capacity indicator (front)
5x Battery load indicator (front)
9x Power output indicator (front)
1x LOAD Button (front)
1x MUTE Button (front)
1x System Button (front)

Technical Specification

Audible Warning Signal	The unit shall be able to provide a audible warning signal that may be muted.
UPS SNMP	SNMP v3 compliant
UPS function	Automatically switch to battery power when no AC/DC power is present
Power capacity	420W 490W peak 10.8Ah (depending on load and temperature)
Power consumption	15W (Idle) 30W (Charging, no load) 530W (Charging, full load) 600W (Charging, full load peak)
Power input	110VAC to 230VAC
Power input cable	US Plug
Power output	Normal mode. Output Voltage: 28V DC. Max 20A Battery mode. Output Voltage: 20-32 V DC. Max 20A short term, 15A continuously Battery power is not supported in cold start below -30C
Coating and color	Dupont AE0305-6603120 (RAL6031)
Cooling	Passively cooled
Dimensions	220x88x400 mm (WxHxD)
Earth point	M6 12mm
Rack Mounting depth	400mm
Surface treatment chassis	Chromit-Al
Weight	12 kg

Environmental Specification (* designed to meet)

Functional shock, operating*	MIL-STD-810G. Method 516.6, Procedure I - Functional Shock. Table 516.6-II, Terminal peak sawtooth pulse, Ground equipment
High temperature - Operating*	MIL-STD-810G, method 501.5, Procedure II - Operation 55 °C
High temperature - Storage*	MIL-STD-810G, method 501.5, Procedure I - Storage 71 °C
Humidity*	MIL-STD-810G, Method 507.5, Procedure II - Aggravated 95 ± 4 %rh
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
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 air pressure - operating*	MIL-STD-810G, method 500.5, Procedure II - Operation/Air Carriage 4572m (15.000 ft)
Low temperature - Operational*	MIL-STD-810G, method 502.5, Procedure II - Operation -40 C
Low temperature - Storage*	MIL-STD-810G, method 502.5, Procedure I - Storage -40 C
Noise level*	Maximum noise level of 40dB SPL A-weighting @ 1m distance
Salt fog*	MIL-STD-810G Method: 509.5
Temperature Shock - Operating*	MIL-STD 810G, method 503.5 procedures I - C, - Multi-cycle shocks from constant extreme temperature 55 C - 40 C
Transit drop, in shipping package*	MIL-STD-810G, method 516.6, Procedure IV - Transit Drop. Table 516.6-VI, Transit drop test, < 45.4 kg, < 91 cm, Manpacked or man-portable
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

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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 2004/108/EC.

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