

# 19"/2 PWR1121



## 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
- EU Plug
- Passively cooled

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## Connector Interfaces

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

## 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

<b>Audible Warning Signal</b>	The unit shall be able to provide a audible warning signal that may be muted.
<b>Blanking</b>	Double-pressing the System button
<b>UPS SNMP</b>	SNMP v3 compliant
<b>UPS function</b>	Automatically switch to battery power when no AC/DC power is present
<b>Power capacity</b>	420W 490W peak 10.8Ah (depending on load and temperature)
<b>Power consumption</b>	15W (Idle) 30W (Charging, no load) 530W (Charging, full load) 600W (Charging, full load peak)
<b>Power input</b>	110VAC to 230VAC
<b>Power input cable</b>	EU Plug
<b>Power output</b>	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
<b>Coating and color</b>	Dupont AE0305-6603120 (RAL6031)
<b>Cooling</b>	Passively cooled
<b>Dimensions</b>	220x88x400 mm (WxHxD)
<b>Earth point</b>	M6 12mm
<b>Rack Mounting depth</b>	400mm
<b>Surface treatment chassis</b>	Chromit-Al

<b>Weight</b>	9.5 kg
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## Environmental Specification (\*designed to meet)

<b>Functional shock, operating*</b>	MIL-STD-810G, Method 516.6, Procedure I - Functional Shock. Table 516.6-II, Terminal peak sawtooth pulse, Ground equipment
<b>High temperature - Operating*</b>	MIL-STD-810G, method 501.5, Procedure II - Operation 55 °C
<b>High temperature - Storage*</b>	MIL-STD-810G, method 501.5, Procedure I - Storage 71 °C
<b>Humidity*</b>	MIL-STD-810G, Method 507.5, Procedure II - Aggravated 95 ± 4 %rh
<b>IP Class (Solid Particle Protection)*</b>	IP Class 6X
<b>IP Class (Water)*</b>	IP Class X5
<b>Low air pressure - Rapid Decompression*</b>	MIL-STD-810G, Method 500.5, Procedure III - Rapid Decompression
<b>Low air pressure - Storage/Air Transport*</b>	MIL-STD-810G, method 500.5, Procedure I - Storage/Air Transport. 17 kPa, corresponding to 12192m (40.000 ft)
<b>Low air pressure - operating*</b>	MIL-STD-810G, method 500.5, Procedure II - Operation/Air Carriage 4572m (15.000 ft)
<b>Low temperature - Operational*</b>	MIL-STD-810G, method 502.5, Procedure II - Operation -40 C
<b>Low temperature - Storage*</b>	MIL-STD-810G, method 502.5, Procedure I - Storage -40 C
<b>Noise level*</b>	Maximum noise level of 40dB SPL A-weighting @ 1m distance
<b>Salt fog*</b>	MIL-STD-810G Method: 509.5
<b>Temperature Shock - Operating*</b>	MIL-STD 810G, method 503.5 procedures I - C, - Multi-cycle shocks from constant extreme temperature 55 C - 40 C
<b>Transit drop, in shipping package*</b>	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
<b>Vibration - Helicopter*</b>	MIL-STD-810G, Method 514.6, Procedure I - General vibration, Category 14 - Rotary wing aircraft - helicopter

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<b>Vibration - Loose Cargo*</b>	MIL-STD-810G. Method 514.6, Procedure II - Loose cargo transportation, Category 5 - Truck/trailer - loose cargo
<b>Vibration - Tracked vehicles*</b>	MIL-STD-810G. Method: 514.6 , Procedure 1 - General Vibration, Category 20 - Ground vehicles - ground mobile, tracked vehicles
<b>Vibration - Wheeled Vehicle*</b>	MIL-STD-810G. Method: 514.6 , Procedure 1 - General Vibration, Category 20 - Ground vehicles - ground mobile, wheeled vehicles

## EMC Specification (\*designed to meet)

<b>CE EMC*</b>	EMC Directive 2004/108/EC.
<b>EMI conducted CE102*</b>	The unit shall pass MIL-STD-461F BASIC CURVE 220
<b>EMI radiated RE102*</b>	MIL-STD-461F 2MHz - 18Ghz Navy Mobile & Army
<b>EMS conducted CS101*</b>	MIL-STD-461F, Method CS101, conducted susceptibility, power leads CURVE #1 30Hz to 150kHz
<b>EMS conducted CS114*</b>	MIL-STD-461F 10kHz - 200MHz Army, Ground
<b>EMS conducted CS115*</b>	MIL-STD-461F
<b>EMS conducted CS116*</b>	MIL-STD-461F 10 kHz to 100 MHz
<b>EMS radiated RS103*</b>	MIL-STD-461F 2MHz to 1GHz Army
<b>ESD*</b>	EN61000-4-2:2009 Level 3 EN50024:1998 Performance criteria B + A1:2001 + A2:2003