

OPS0548BS/OPS1048BS Natural Cooling Wall/Pole Mount Power Units

Remote Monitoring and Battery Charging Management

230V

Nominal Input Voltage

53.5V

Nominal Output Voltage

0.5/1.0kW

Maximum Output Power

Specifications

Nominal Voltage:	230Vac or 280Vdc
Voltage Range:	90-280Vac or 200-405Vdc (Output derated <176Vac)
Frequency Range:	45-65Hz
Power Factor:	>0.99
Peak Efficiency:	>92%
Input Lightning Protection:	20kA, 8/20 μ S
Input Low/Over Voltage:	Auto shutdown, auto restart when correct voltage restored
Input Inrush:	<1.5 x maximum input current

DC Output

Nominal Voltage:	53.5V
Voltage Range:	42-58V
Rated System Output Power	500W, 1000W
Terminals:	2 x loads and 1x battery connectors
Regulation:	Line: $\leq\pm 1.0\%$, Load: $\leq\pm 1.0\%$ (no load to full load)
Start-up Time:	Start up delay 1-8 second.
Charging Current:	1-6A, 2-8A (Settable)

Protection

Current Limit:	120% of maximum rated current
Over Temperature:	Automatic current turndown, backup shutdown protection
Polarity Reversal:	Output fuse with crowbar diode
Over Voltage:	Shutdown when voltage over 60V \pm 1V
Short Circuit:	Protected, Recovered when short circuit is removed

Noise(under nominal conditions):

Voice Band:	< 2mV, rms psophometric
Wide Band:	3.4KHz-150KHz: < 50mV rms unweightd 150KHz-30MHz: < 20mV rms unweightd

Peak to Peak 0-20MHz: < 200mV, peak to peak

Input to Output: 3000V AC/10mA/1min

Input to Chassis: 1500V AC/10mA/1min

Output to Chassis: 500V DC/10mA/1min

Environmental

Operating temperature: -40 to +50°C (max output power is derated above 50 °C)

Storage Temperature: -45 to +70 °C

Humidity: 5-95%RH (non-condensing)

Altitude: < 2500m

Mechanical

Dimensions (W, H, L): 280mm, 82 mm, 180mm;

Weight: < 3.0kg



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OPS0548BS/1048BS are convection cool AC / DC power supply units. With the latest circuit design, reliable performance, and waterproof compact structure, all power units are in strict accordance with the regulatory requirements and designed to meet the IT equipment safety standards. These units support battery packs and RS485 COM ports are also available.

Features	
✓ Wide input AC voltage	✓ Input over / under voltage protection
✓ High efficiency and regulation accuracy	✓ Output over voltage protection
✓ Convection cooling	✓ Output over current protection.
✓ Unit failure alarm signal output	✓ Input/output surge protection
✓ Over temperature protection	✓ IP65 protection
✓ RS485 COM ports	✓ Input/output dry contacts
✓ 2 Load, 1 battery connectors	✓ Built-in BLVD
✓ Charging voltage/current settable	✓ Battery temperature Compensation

