

# OPS1548ES/OPS2048ES

## Natural Cooling Wall/Pole Mount Power Unit

Remote Monitoring and Battery Charging Management

### Specifications

Nominal Voltage:	230Vac or 380Vdc
Voltage Range:	90-290Vac (Output derated <176Vac)
Frequency Range:	45-65Hz
Power Factor:	>0.99
Peak Efficiency:	>95%
Input Lightning Protection:	20kA, 8/20 $\mu$ S
Input Low/Over Voltage:	Auto shutdown, auto restart when correct voltage restored
Input Inrush:	<1.5 x maximum input current
<b>DC Output</b>	
Nominal Voltage:	53.5V
Voltage Range:	42-58V
Rated System Output Power	1500W, 2000W
Terminals:	3 x loads, 1x battery water proof 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.
<b>Protection</b>	
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:	3000Vac/30mA/1min
Input to Chassis:	1500Vac/30mA/1min
Output to Chassis:	500Vdc/30mA/1min
<b>Environmental</b>	
Operating temperature:	-40 to +55 $^{\circ}$ C (max output power is derated to 850W above 55 $^{\circ}$ C)
Storage Temperature:	-45 to +70 $^{\circ}$ C
Humidity:	5-95%RH (non-condensing)
Altitude:	< 2500m
<b>Mechanical</b>	
Dimensions (W, H, L):	355mm, 80 mm, 352mm
Weight:	< 7.0kg

# 230V

Nominal Input Voltage

# 53.5V

Nominal Output Voltage

# 1.5/2.0KW

Maximum Output Power

# 95.5%

Peak Efficiency



# OPS1548ES/OPS2048ES Natural Cooling Wall/Pole Mount Power Unit

Remote Monitoring and Battery Charging Management

OPS1548ES and OPS2048ES are convection cool AC / DC power supply units. These power supply units are designed for outdoor applications. With the latest DSP control design, these units have high efficiency and reliable performance, and comply with telecom regulatory requirements and safety standards. Its optional WiFi module can allow end users to make setting changes through APP on their smart phones.

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
✓ Alarm dry contact outputs	✓ Input/output surge protection
✓ Over temperature protection	✓ IP65 protection
✓ RS485 COM ports	✓ WiFi Access (optional)
✓ 3 Load, 1 battery connectors	✓ Built-in BLVD
✓ Battery charging management	✓ Battery temperature Compensation

