

POWER SOLID **ONLINE SOLAR UPS**

PS-POU5KW#48VPV

5 **KVA**

Features

- ▶ True double-conversion online UPS
- ▶ Output power factor 1.0
- ▶ Built-in 80A MPPT solar charger and 60A AC charger
- ▶ Configurable AC/Solar input priority via LCD setting
- ▶ Parallel operation up to 9 units
- ▶ Common 48Vdc battery pack for the parallel system
- ▶ Configurable charging current via LCD setting
- ▶ Compatible with Generator
- ▶ Cold Start capability
- ▶ Overload and short circuit protection



Technical Specifications

MODEL		PS-POUSKW#48VPV	
MAXIMUM PV INPUT POWER		4000W	
CAPACITY		5000VA/5000W	
INPUT			
Voltage		230 VAC	
Voltage Range		110-280 VAC	
Frequency Range		50 Hz/60 Hz (Auto sensing) ± 4Hz	
Power Factor		> 0.98 @ Nominal Voltage (100% Load)	
THDi		< 10%	
OUTPUT			
AC Voltage Regulation (Batt. Mode)		230VAC ± 5%	
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)		50 Hz	
Harmonic Distortion		≤ 3% THD (Linear Load); ≤ 5 % THD (Non-linear Load)	
Transfer Time	AC to Battery	Zero	
	Inverter to Bypass	4ms (Typical)	
	Waveform	Pure Sinewave	
EFFICIENCY			
Line Mode		93.0%	
Battery Mode		90.0%	
ECO Mode		99.0%	
BATTERY			
Battery Voltage		48 VDC	
Floating Charge Voltage		54 VDC	
Overcharge Protection		66 VDC	
PHYSICAL			
Solar Charger type		MPPT	
Maximum PV Array Power		4000 W	
MPPT Range @ Operating Voltage		60 - 115 VDC	
Maximum PV Array Open Circuit Voltage		145 VDC	
Maximum Solar Charge Current		80 A	
Maximum AC Charge Current		60 A	
ENVIRONMENT			
Dimension, D x W x H(mm)		465 x 190 x 336	
Net Weight (kgs)		16	
Communication Interface		RS232 & USB	
OPERATING ENVIRONMENT			
Humidity		5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature		-10°C to 50°C	
Storage Temperature		-15°C to 60°C	