



PS-POU5KW#48VPV

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-POU5KW#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	