

EPS (Emergency Power System) 5kw



- Pure sine wave inverter
- Built-in AC charger up to 60A
- Selectable charging current based on applications
- Configurable parameter setting via LCD display
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Selectable input voltage range for home appliances and personal computers
- Cold start function
- Parallel operation with up to 9 units
- Optional MPPT or PWM Solar Charger

EPS 5kw Specification

MODEL	EPS 5kw
RATED POWER	5000VA/5000W
INPUT	
Voltage	220/230/240 VAC
Voltage Range	170-255 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	220/230/240VAC \pm 5%
Surge Power for 5 seconds	10000VA
Efficiency (Peak)	93%
Transfer Time	< 10 ms
Waveform (Batt. Mode)	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
CC/CV Charge Voltage	56.4 VDC
Floating Charge Voltage	53.6 VDC
Overcharge Protection	60 VDC
AC CHARGER	
Maximum AC Charge Current (Adjustable)	2.5~60 A
Charging modes	3 steps for CC, CF and Floating
SOLAR CHARGER (option)	
Maximum PV Array Power	4000W
MPPT Range @ Operating Voltage	60 VDC ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	80 A
PARALLEL	
Maximum Parallel units	Up to 9 units
Parallel Type	Single Phase or Three Phase
Transfer Time in Parallel Mode	<40ms
PHYSICAL	
Dimension, D x W x H (mm)	400 x 438 x 88 (2U)
Net Weight (kgs)	9.1
INTERFACE	
Communication	Modbus RS-485
Dry Contact	Deliver signal to external device such as generator
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 40°C
Storage Temperature	-15°C to 60°C

Product specifications are subject to change without further notice.