



SYNAPSE 3.0+ Off-Grid Inverter

Features

- ◆ Pure sine wave solar inverter
- ◆ Output power factor 1
- ◆ Configurable AC / solar input priority Via LCD setting
- ◆ Compatible with AC mains or generator power
- ◆ 3.0+ Maximum solar charge current = 60A
- ◆ MPP Range @ Operating Voltage = 30–115V DC

Model	
Product Code	SYNAPSE 3.0+
Rated Power	3000VA / 3000W
Input	
Voltage	230V AC
Selectable Voltage Range	170 - 280V AC (For Personal Computers); 90 - 280V AC (For Home Appliances)
Frequency Range	50Hz / 60Hz (Auto Sensing)
Output	
AC Voltage Regulation (Battery Mode)	230V AC \pm 5%
Surge Power	6000VA
Efficiency (Peak)	90% - 93%
Transfer Time	10ms (For Personal Computers); 20ms (For Home Appliances)
Waveform	Pure sine wave
Battery	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	33 VDC
Solar Charger & AC Charger	
Maximum PV Array Open Circuit Voltage	145V DC
Maximum PV Array Power	1500W
MPPT Range @ Operating Voltage	30-115V DC
Maximum Solar Charge Current	60A
Maximum AC Charge Current	60A
Maximum Charge Current	120A
Physical	
Dimensions (D x W x H)	100mm x 300mm x 440mm
Net Weight	9.5Kg
Communication Interface	USB / RS232
Environment	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C