

SYNAPSE



SYNAPSE 3.OV+ Off-Grid Inverter

Features

- ◆ Pure sine wave solar inverter
- ◆ Selectable high power charging current
- ◆ Wide DC input range
- ◆ Built-In 40A MPPT solar charger
- ◆ Battery equalisation function to optimise battery performance and extend lifecycle

SWITCHED ON

Model	
Product Code	SYNAPSE 3.OV+
Rated Power	3000VA / 2400W
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	24V DC
Floating Charge Voltage	27V DC
Overcharge Protection	32V DC
Solar Charger & AC Charger	
Maximum PV Array Open Circuit Voltage	102V DC
Maximum PV Array Power	1000W
MPPT Range @ Operating Voltage	30–80V DC
Maximum Solar Charge Current	40A
Maximum AC Charge Current	25A
Maximum Charge Current	60A
Physical	
Dimension (D x W x H)	88mm x 225mm x 320mm
Net Weight	6,0kg
Communication Interface	USB / RS232
Environment	
Humidity	5% to 95% Relative Humidity (Non-Condensing)
Operating Temperature	-10°C to 55°C
Storage Temperature	-15°C to 60°C