

SYNAPSE



SYNAPSE 7.2M+

Features

- ◆ Customisable status LED bar with RGB light
- ◆ Built-in wifi for mobile monitoring (Android/iOS apps are available)
- ◆ Support USB on-the-go function
- ◆ Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- ◆ Replaceable fan design for ease of maintainance
- ◆ Battery independent design
- ◆ Configurable AC/PV output usage timer and prioritization
- ◆ Selectable high power charging
- ◆ Selectable input voltage range for home appliances and personal computers
- ◆ Compatible to utility mains or generator input
- ◆ Built-in anti-dust kit
- ◆ Optional DC output for DC fan, LED bulb, router, etc
- ◆ Parallel operation up to 6 units only available for 7.2VA

SWITCHED ON

Model	
Product Code	SYNAPSE 7.2M+
Rated Power	7200VA / 7200W
Parallel Capability	Up to 6 units
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
Surge Power	15000VA
Efficiency (Peak)	90% - 93%
Transfer Time	15ms (For Personal Computers); 20ms (For Home Appliances)
Waveform	Pure sine wave
Battery	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
Solar Charger & AC Charger	
Solar Charge Type	MPPT
Maximum PV Array Power	8000W (4000 X 2)
MPPT Range @ Operating Voltage	90 - 450V DC
Maximum PV Array Open Circuit Voltage	500V
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
Maximum Charge Current	80A
Physical	
Dimensions (D x W x H)	147.4mm X 432.5mm X 553.6mm
Net Weight	18.4Kg
Communication Interface	USB / RS232 / RS485 / Bluetooth / Dry-contact
Environment	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
Standard	
Dimensions (D x W x H)	UL