

**SYNAPSE 5.0K+ Off-Grid Inverter**

- Zero transfer time to protect mission-critical loads such as servers and ATM.
- Detachable LCD control module with multiple communications
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Configurable AC/PV output usage timer and prioritization
- Optional parallel operation up to 9 units

**Model**

Product Code	<b>SYNAPSE 5.0K+</b>
Rated Power	5000VA / 5000W
Parallel Capability	Up to 9 units

**Input**

Voltage	230V AC
Voltage Range	110 - 280V AC
Frequency Range	50Hz / 60Hz (Auto sensing)

**Output**

AC Voltage Regulation (Battery Mode)	230V AC $\pm$ 5%
Surge Power	10000VA for 5 sec
Efficiency (Peak)	93% at Line Mode, 90% at Battery Mode
Transfer Time	0 ms
Waveform	Pure sine wave

**Battery**

Battery Voltage	48V DC
Floating Charge Voltage	54V DC
Overcharge Protection	66V DC

**Solar Charger & AC Charger**

Maximum PV Array Open Circuit Voltage	145V DC
Maximum PV Array Power	4000W
MPP Range @ Operating Voltage	60 ~ 115V DC
Maximum Solar Charge Current	80A
Maximum AC Charge Current	60A
Maximum Charge Current	140A

**Physical**

Dimension (D x W x H)	140 x 303 x 525mm
Net Weight	13.5kgs
Communication Interface	USB / RS232 / RS485 / Bluetooth / Dry-contact

**Environment**

Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

Product specifications are subject to change without further notice.