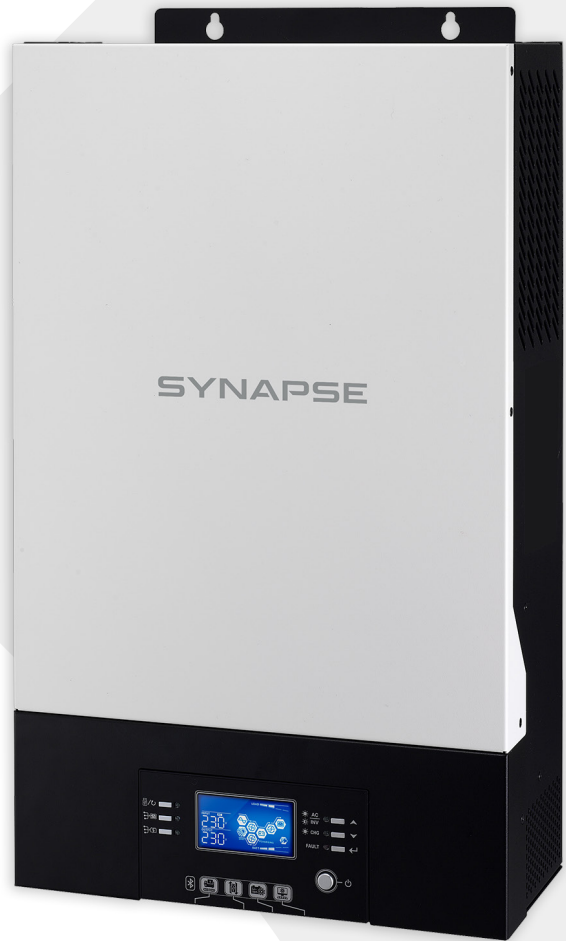


# SYNAPSE



## SYNAPSE 5.OK+ Off-Grid Inverter

### Features

- ◆ Zero transfer time to protect mission critical loads such as servers and ATMs
- ◆ Detachable LCD control module with multiple communications
- ◆ Built-In bluetooth for mobile monitoring (Android app available)
- ◆ Supports USB on-the-go function
- ◆ Reserved communication port for BMS (RS485, CAN-BUS Or RS232)
- ◆ Configurable AC/PV output usage timer and prioritisation
- ◆ Optional parallel operation up to 9 units

SWITCHED ON

Model	
Product Code	SYNAPSE 5.0K+
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	0ms
Waveform	Pure sine wave
Solar Charger & AC Charger	
Maximum PV Array Open Circuit Voltage	145V DC
Maximum PV Array Power	4000W
MPPT 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)	140mm x 303mm x 525mm
Net Weight	13.5kg
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