

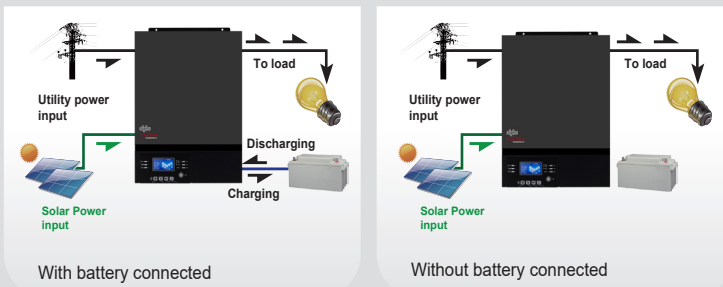
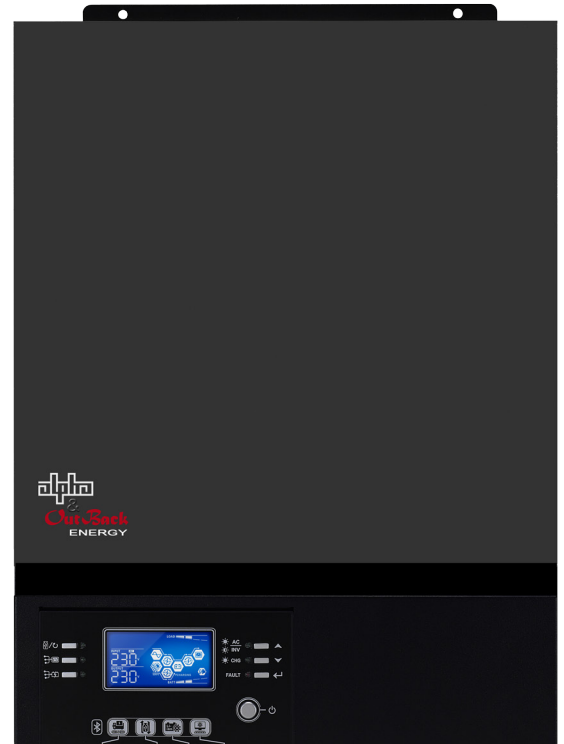
# Power

## Off-Grid Inverter SPC III

Feature rich all-in-one Solar Power Converter

Alpha & OutBack Energy's SPC III is third generation off-grid inverter with rich new functions. Its detachable LCD control module can be turned to remote panel. It's also integrated with Bluetooth interface ready for mobile monitoring and supports USB on-the-go function to facilitate data upload/download. Battery independency design enhances this inverter to operate without battery connected.

- Output Power Factor 1
- 1500, 3000 and 5000 Watts
- Built-in MPPT Charge Controller
- PV Array Open Circuit Voltage up to 500VDC
- Up to 4000W PV Array Power
- Detachable LCD control module with various communications. Can be turned to remote panel.
- Integrated Bluetooth for mobile monitoring (Android)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery Independency: Supply load from Grid or PV, even battery is not available



- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Auto restart while AC is recovering
- Cold start function





## SPC III Off-Grid Inverter Models

Technical Data			
Model	SPC III 1500-24	SPC III 3000-24	SPC III 5000-48
Rated Power	1500VA/1500W	3000VA/3000W	5000VA/5000W
<b>INPUT</b>			
Voltage	230VAC		
Selectable Voltage Range	90-280VAC		
Frequency Range	50/60Hz (autosensing)		
<b>OUTPUT</b>			
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%		
Surge Power	3000VA	6000VA	10000VA
Efficiency (Peak)	90 - 93%		
Transfer Time	15 ms		
Waveform	Pure Sine Wave		
<b>BATTERY</b>			
Battery Voltage	24VDC		48VDC
Floating Charge Voltage	27VDC		54VDC
Float charging voltage	33VDC		63VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>			
Solar Charger Type	MPPT		
Maximum PV Array Power	2000W		4000W
MPP Range @ Operating Voltage	120 - 380 VDC		120 - 450 VDC
Maximum PV Array Open Circuit Voltage	400 VDC		500 VDC
Maximum Solar Charge Current	60A		80A
Maximum AC Charge Current	40A		60A
Maximum Charge Current	60A		80A
<b>PHYSICAL</b>			
Dimension (D x W x H) mm	100 x 280 x 390		115 x 300 x 400
Net weight kg	8,5	9	10
Communication Interface	USB / RS232 / RS485 / Bluetooth / Dry Contact		
<b>OPERATING ENVIRONMENT</b>			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	- 15°C to 60°C		

For contact information visit [www.alphatechnologies.com](http://www.alphatechnologies.com)

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