

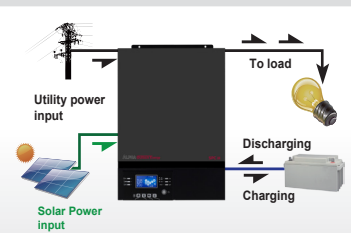
# Power

## Off-Grid Inverter SPC III

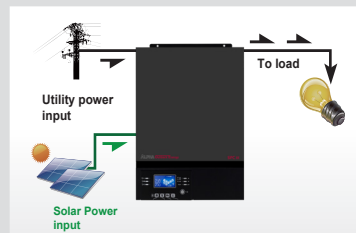
Feature rich all-in-one Solar Power Converter

Alpha & OutBack Energy's SPC III is a brandnew off-grid inverter with rich new functions i.e. detachable LCD control module which can be turned to a remote panel, integrated bluetooth interface for mobile monitoring, USB on-the-go function to facilitate data upload/download, battery independency design to operate without battery connected, GPRS module for remote monitoring...

- 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



With battery connected



Without battery connected

- 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 when grid is not available
- GPRS module (box version) for remote monitoring





## 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. Optional: GPRS, WIFI, SNMP		
<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		



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