

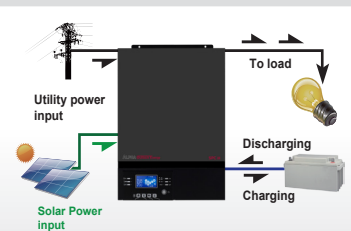
Power

Off-Grid Inverter SPC III

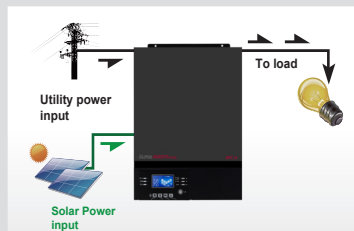
Feature rich all-in-one Solar Power Converter

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
INPUT			
Voltage	230VAC		
Selectable Voltage Range	90-280VAC		
Frequency Range	50/60Hz (autosensing)		
OUTPUT			
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		
BATTERY			
Battery Voltage	24VDC		48VDC
Floating Charge Voltage	27VDC		54VDC
Float charging voltage	33VDC		63VDC
SOLAR CHARGER & AC CHARGER			
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
PHYSICAL			
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		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		



Alpha Technologies GmbH • OutBack Power Technologies

Hansastraße 8 • D-91126 Schwabach, Germany
Tel: +49 9122 79889 0 • Fax: +49 9122 79889 21
www.alpha.com • www.outbackpower.com



members of The  Group™