

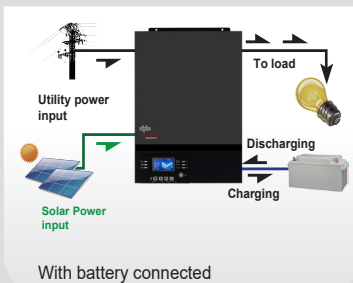
Power

Off-Grid Inverter SPC III

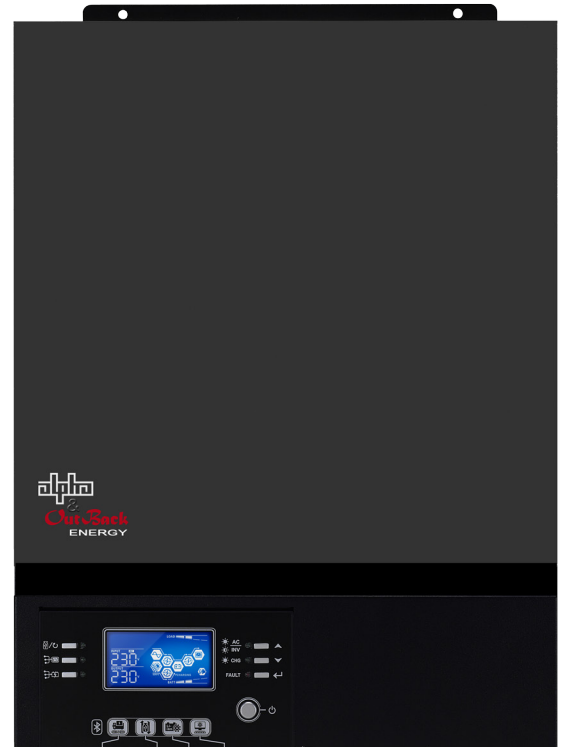
Feature rich all-in-one Solar Power Converter

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	
INPUT						
Voltage			230VAC			
Selectable Voltage Range			90-280VAC			
Frequency Range			50/60Hz (autosensing)			
OUTPUT						
AC Voltage Regulation (Batt. Mode)			230VAC ± 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			
OPERATING ENVIRONMENT						
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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