



**ALPHA  
OUTBACK  
ENERGY**

- User-friendly HMI LCD design for easy configuration
- Status indication with RGB lights
- Dual outputs for smart energy management
- Upgrade maximum PV power to 18000W and PV current to 60A for 12K model
- Maximum PV input current 27A for 8K/11K models
- Built-in WiFi with APP for mobile monitoring and OTA firmware
- Supports USB On-the-Go function
- Built-in BMS communication port
- Built-in meter calibration for optimized system operation
- Battery independent design
- Built-in anti-dust kit
- Parallel operation with 12 units



**SPC Series Off Grid-Hybrid Inverter**

MODEL	SPCIII 8000-48	SPCIV 12000-48
<b>CAPACITY</b>	8000VA/8000W	12000VA/12000W
<b>PARALLEL CAPABILITY</b>	YES, 12 units	
<b>INPUT</b>		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Computers) 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	16000VA	24000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	66 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger type	MPPT	
Maximum PV Array Power	11000W (5500W x 2)	<b>18000W (Max. 12000W per tracker)</b>
MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A x 2(MAX 40A)	<b>40A/27A (MAX 60A)</b>
Maximum Solar Charge Current	120A	200A
Maximum AC Charge Current	120A	200A
Maximum Charge Current	120A	200A
<b>PHYSICAL</b>		
Dimension, D X W X H (mm)	147.4 x 432.5 x 553.6	
Net Weight (kgs)	18,4	20
Communication Interface	USB/RS232/RS485/WiFi/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	
<b>STANDARD</b>		
Compliance Safety	IEC 62109, IEC 61683, EN/IEC 61000-6-2, 61000-6-4, 61000-3-11, 61000-3-12	

\* Product specifications are subject to change without further notice