

SPCIIIS-5000-48 - Solar Off Grid-Hybrid Inverter

Features

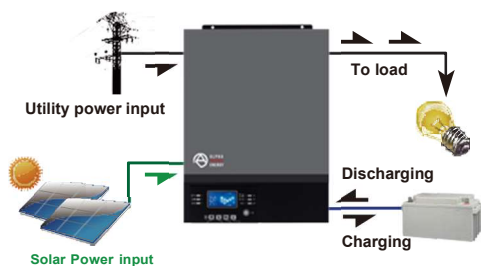
- 5000 Watts pure sine wave Solar Inverter/charger
- Built-in MPPT Charge Controller 100A
- PV Array Open Circuit Voltage up to 450VDC
- Up to 5000W PV Array Power
- Paralell operation up to 9 units, no need extra paralell card.
- Detachable LCD module usable as remotely wired control panel (up to 20 m)
- Integrated Bluetooth for mobile monitoring (Android)
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Lithium-ion battery compatibility
- Battery Independency: Supply load from Grid or PV, even without battery (single unit only)
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- GPRS module (box version), WIFI box and WIFI stick available for remote monitoring



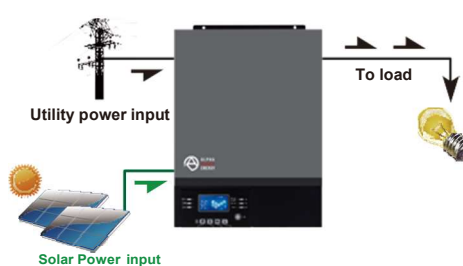
- Diverse communications:**
- 1 RS485/USB Port and Dry contact communication
 - 2 Maximum 9 units in parallel



With battery connected



Without battery connected





MODEL		SPCIIIIS-5000-48
Rated Power	5000VA/5000W	
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC 3 5%	
Overload capacity	100ms @ ≥200% load; 5s@≥150% load; 10s@110%~150% load;	
Efficiency (Peak)	90 %	
Transfer Time	15 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
No Load Power Consumption	< 60W	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	66 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	5000 W	
MPPT Range @ Operating Voltage	120 - 430 VDC	
Maximum PV Array Open Circuit Voltage	450 VDC	
PV Array Open Circuit Start Voltage	150 +/- 10 VDC	
Maximum Solar Charge Current	100 A	
Maximum AC Charge Current	100 A	
Maximum Charge Current	100 A	
PHYSICAL		
Dimension, D x W x H (mm)	140 x 295 x 468	
Net Weight (kgs)	12.0	
Communication Interface	USB, RS232, RS485, Bluetooth	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

All information contained in this document is subject to change without notice.



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