

**POWER
THE FUTURE!**
Cut Power Bills, Not Comfort !



Smart SOLAR HYBRID INVERTER 3KW/6KW IP65

SALIENT FEATURES

- ✓ IP65 waterproof and dust proof design.
- ✓ Built-in 2 MPP trackers in 6KW & 1 MPP tracker in 3KW.
- ✓ Without battery operation option with only PV+Grid.
- ✓ Wide PV input voltage range.
- ✓ Built-in communication port for battery BMS.
- ✓ Dual output for smart load control (6KW only).
- ✓ Built-in WiFi with APP for remote monitoring.
- ✓ Built-in feed-in to grid function.
- ✓ Battery independent design.
- ✓ Battery equalization function to optimize battery performance and extend life-cycle.



TECHNICAL SPECIFICATIONS

MODEL	SOLAR HYBRID INVERTER 3KW IP65 V11	SOLAR HYBRID INVERTER 6KW IP65 V11
Rated Power	3000VA/3000W	6000VA/6000W
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)	230VAC ±5%	
Output Power	3000VA/3000W with PV+battery; 2500W with only battery	6000W
AC Output No.	Single	Dual
Parallel Function	No	
Surge Power	6000VA	12000VA
Efficiency(Peak)	Battery to AC: 92% / PV to AC: 96% / PV and Battery to AC: 95%	
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	61 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	3600W	9600W (4800W x 2)
Maximum PV Input Current	18A x 1	18A x 2
Maximum PV Array Open Circuit Voltage	500 VDC	
MPP Range @ Operating Voltage	90 ~ 450 VDC	
Nominal PV Voltage	320VDC	
Start up Voltage	120VDC	120VDC
Maximum Solar Charge Current	50A	120A
Maximum AC Charge Current	50A	100A
Maximum Charge Current	50A	120A
PHYSICAL		
Dimension, D X W X H (mm)	137 x 290 x 370	156.5 x 315 x 435
Net Weight (kgs)	9.5	15
Communication Interface	RS232/RS485(BMS)/WiFi	
LCD Display	2.5' Graphical LCD	
Enclosure Protection	IP65	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating / Storage Temperature	Operating: -10° to 50° Storage: -15° to 60°	
STANDARD		
Compliance Safety	IEC 62109, IEC61683, IEC62116, IEC 61727	

NOTE: Because of a policy of continuous product improvement, the specifications are subject to change without notice.