



Off Grid MPPT Solar Inverter



TECHNICAL PARAMETER

TECHNICAL PARAMETER			
Model	E-SUN 1KVA	E-SUN 2KVA	E-SUN 3KVA
The rated power	1000VA/850W	2000VA/1600W	3000VA/2700W
INPUT			
Voltage	230VAC		
Selectable Voltage Range	170-280VAC (UPS),90-280VAC (Appliances)		
Frequency Range	50Hz/60Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Model)	230VAC ± 5%		
Surge Power	2000VA	4000VA	6000VA
Power factor	0.9	0.8	0.9
Efficiency(Peak)	> 94%	> 90%	> 90%
Transfer Time	10ms (UPS), 20ms (Appliances)		
Wave form	Pure sine wave		
No load current	<28W	1.0A	
BATTERY			
Battery voltage	12VDC	12VDC	24VDC
Low battery alarming voltage	11.0VDC	11.0VDC	22.0VDC
Low battery cut off protection voltage	10.5VDC	10.5VDC	21VDC
Low battery recovery voltage	11.75VDC	11.75VDC	23.0VDC
Floating Charge Voltage	13.5VDC	13.5VDC	27VDC
Overcharge Protection	16.0VDC	16.0VDC	32VDC
MPPT SOLAR CHARGER & AC CHARGER			
Maximum PV Array Power	600W	2000W	3000W
MPPT Range Operation Vol	20-150VDC	45-400VDC	45-400VDC
Best PV range	36-150V	120-400V	120-400V
Maximum PV Array Open Circuit Vol.	150VDC	400VDC	400VDC
Maximum Charge Current	80A	80A	80A
Maximum MPPT Charge Current	40A	60A	60A
Maximum Efficiency	98%	98%	98%
BEST PANEL CONFIGUTATION			
Maximum PV Array Power	600W	2000W	3000W
PHYSICAL			
Products Dimension, D*W*H(mm)	317mm*272mm*104mm	400mm*306mm*103mm	400mm*306mm*103mm
Packing size, D*W*H(mm)	370mm*328mm*160mm	460mm*391mm*174mm	460mm*391mm*174mm
Net Weight (kgs)	4KG	5.3KG	5.9KG
G.W. kg	4.8KG	6.6KG	7.1KG
Communication Interface	RS232/GPRS/ Optional WIFI		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensing)		5% to 95% Relative Humidity (Non-condensing)
Operation Temperature	-10°C-50°C		-10°C-50°C

MAIN FEATURES

- MPPT Solar Charge Controller Inside
- Wide PV Input Range
- Reliable quality, economic design
- Smart battery protection. Compatible with LiFePo4
- Configurable battery & AC/Solar priority via LCD setting
- Only 1pcs 36V solar panel can start 1kva solar inverter

Solar System Connection

