



Off Grid MPPT Solar Inverter



TECHNICAL PARAMETER

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Model	SUNON E series	E-SUN 1.2KVA	E-SUN 2KVA	E-SUN 3KVA
The rated power		1200VA/1200W	2000VA/1600W	3000VA/2700W
INPUT				
Voltage		230VAC		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		6000VA
Power factor		0.8		0.9
Efficiency(Peak)		> 90%		> 90%
Transfer Time		10ms (UPS), 20ms (Appliances)		
Wave form		Pure sine wave		
No load current		1.0A		
BATTERY				
Battery voltage		12VDC		24VDC
Low battery alarming voltage		11.0VDC		22.0VDC
Low battery cut off protection voltage		10.5VDC		21VDC
Low battery recovery voltage		11.5VDC		23.0VDC
Floating Charge Voltage		13.5VDC		27VDC
Overcharge Protection		16.0VDC		32VDC
MPPT SOLAR CHARGER & AC CHARGER				
Maximum PV Array Power		2000W		3000W
MPPT Range Operation Vol		30-400VDC		30-400VDC
Best PV range		120-400V		120-400V
Maximum PV Array Open Circuit Vol.		400VDC		400VDC
Number of MPPT trackers / Max output current		80A		80A
Maximum AC Charge Current		60A		60A
Maximum Efficiency		98%		98%
BEST PANEL CONFIGUTATION				
Maximum PV Array Power		2000W	2000W	3000W
PHYSICAL				
Products Dimension, D*W*H(mm)		400mm*306mm*103mm		400mm*306mm*103mm
Packing size, D*W*H(mm)		460mm*391mm*174mm		460mm*391mm*174mm
Net Weight (kgs)		4.4KG		5.4KG
G.W. kg		5.1KG		6.1KG
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 30-400Vdc
- 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 solar inverter

Solar System Connection

