



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

Solar System Connection



TECHNICAL PARAMETER

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Model	SUNON E series	TM 1KVA	TM 1.2KVA	TM 2KVA	TM 3KVA
The rated power		1000VA/800W	1200VA/1000W	2000VA/1600W	3000VA/2700W
INPUT					
Voltage		230VAC		230VAC	
Selectable Voltage Range		170-280VAC (UPS), 90-280VAC (Appliances)		170-280VAC (UPS), 90-280VAC (Appliances)	
Frequncy Range		50Hz/60Hz (Auto sensing)		50Hz/60Hz (Auto sensing)	
OUTPUT					
AC Voltage Regulation (Batt. Model)		230VAC ± 5%		230VAC ± 5%	
Surge Power		2000VA		6000VA	
Power factor		0.8		0.9	
Efficiency(Peak)		> 90%		> 90%	
Transfer Time		10ms (UPS), 20ms (Appliances)		10ms (UPS), 20ms (Appliances)	
Wave form		Pure sine wave		Pure sine wave	
No load current		1.0A		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		3200W	
MPPT Range Operation Vol		30-400VDC		30-430VDC	
Maximum PV Array Open Circuit Vol.		400VDC		450VDC	
Number of MPPT trackers / Max output current		80A		80A	
MaxmumAC Charge Current		60A		60A	
Maxmum Efficiency		98%		98%	
BEST PANEL CONFIGUTATION					
Maximum PV Array Power		2000W	2000W	2000W	3000W
Best Panel configuration		550W 2 PCS in 1 S	550W 2-3PCS in 1 S	550W 2-4 PCS in 1 S	550W 2-5 PCS in 1 S
PHYSICAL					
Products Dimension, D*W*H(mm)		350mm*270mm*98mm		350mm*270mm*98mm	
Packing size, D*W*H(mm)		413mm*350mm*173mm		413mm*350mm*173mm	
Net Weight (kgs)		4KG		5KG	
G.W. kg		5KG		5.8KG	
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	