



On&Off Grid MPPT Solar Inverter



TECHNICAL PARAMETER

Model	E-SUN 4.2K	E-SUN 6.2K	E-SUN 10.2K	E-SUN 12K
The rated power	4200VA/3600W	6200VA/5500W	10200VA/8200W	12000W(PV+BAT)
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	8400VA	12400VA	20400VA	24000VA
Power factor	0.85	0.88	0.8	1.0
Efficiency(Peak)	> 93.5%	> 94%	> 93%	> 94%
Transfer Time	10ms (UPS), 20ms (Appliances)			
Wave form	Pure sine wave			
No Load Power Consumption	<30W	<40W	<75W	<110W
BATTERY				
Battery voltage	24VDC	48VDC	48VDC	48VDC
Low battery alarming voltage	22.0VDC	44.0VDC	44.0VDC	44.0VDC
Low battery cut off protection voltage	21.0VDC	42.0VDC	42.0VDC	42.0VDC
Low battery recovery voltage	23.0VDC	46.0VDC	46.0VDC	46.0VDC
Floating Charge Voltage	28.0VDC	56.0VDC	56.0VDC	56.0VDC
Overcharge Protection	32.0VDC	64.0VDC	64.0VDC	64.0VDC
MPPT SOLAR CHARGER & AC CHARGER				
Maximum PV Array Power	5000W	6000W	10800W	15000W
MPPT Range Operation Vol	60-450VDC	60-450VDC	90-450VDC	60-450VDC
Maximum PV Array Open Circuit Vol.	500VDC	500VDC	500VDC	500VDC
Number of MPPT trackers / Max output current	120A	120A	160A	160A
Maxmum AC Charge Current	100A	100A	120A	160A
Maximum Efficiency	98%	98%	98%	98%
BEST PANEL CONFIGUTATION				
Maximum PV Array Power	5000W	6000W	10800W	15000W
Best Panel configuration	600W/8PCS/8S1P	650W/9PCS/9S1P	600W/18PCS/9S2P	650W/18PCS/9S2P
CHARACTERISTIC				
Display	LCD&APP	LCD&APP	LCD	LCD&APP
Communication Interface	RS485(BMS) communication port			
Parallel Capabillty	W/O	W/O	W/O	W/O
PHYSICAL				
Packing size, D*W*H(mm)	560*393*196mm	560*393*196mm	607*487*227mm	595*515*212mm
N.W. kg	8.2kg	8.2kg	14.5kg	15kg
G.W. kg	8.8kg	9.2kg	16.2kg	17.5kg
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature Range	0°C to 55°C	0°C to 55°C	0°C to 55°C	0°C to 55°C
Storage Temperature	-15°C-60°C	-15°C-60°C	-15°C-60°C	-15°C-60°C

MAIN FEATURES

- MPPT Solar Charge Controller Inside
- Wide PV Input Range
- Reliable quality, economic design
- Remote WIFI optional
- Smart battery protection. Compatible with LiFePO4
- Configurable battery & AC/Solar priority via LCD setting
- With BMS for lithium battery communication

Solar System Connection

