

# Off Grid MPPT Solar Inverter

## TECHNICAL PARAMETER

TECHNICAL PARAMETER				
Model	SUNON E series	E-SUN 1KVA	E-SUN 2KVA	E-SUN 3KVA
The rated power		1000VA/850W	2000VA/1600W	3000VA/2700W
<b>INPUT</b>				
Voltage		230VAC		230VAC
Selectable Voltage Range		170-280VAC (UPS),90-280VAC (Appliances)		
Frequency Range		50Hz/60Hz (Auto sensing)		
<b>OUTPUT</b>				
AC Voltage Regulation (Batt. Model)		230VAC ± 5%		
Surge Power		1000VA	2000VA	6000VA
Power factor		0.85	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	
<b>BATTERY</b>				
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
<b>MPPT SOLAR CHARGER &amp; AC CHARGER</b>				
Maximum PV Array Power		600W	2000W	3000W
MPPT Range Operation Vol		20-150VDC	30-400VDC	30-400VDC
Best PV range		36-150V	120-400V	120-400V
Maximum PV Array Open Circuit Vol.		150VDC	400VDC	400VDC
Number of MPPT trackers / Max output current		80A	80A	80A
Maxmum AC Charge Current		40A	60A	60A
Maxmum Efficiency		98%	98%	98%
<b>BEST PANEL CONFIGUTATION</b>				
Maximum PV Array Power		600W	2000W	3000W
<b>PHYSICAL</b>				
Products Dimension, D*W*H(mm)		400mm*306mm*103mm	400mm*306mm*103mm	400mm*306mm*103mm
Packing size, D*W*H(mm)		460mm*391mm*174mm	460mm*391mm*174mm	460mm*391mm*174mm
Net Weight (kgs)		3KG	4.4KG	5.4KG
G.W. kg		4KG	5.1KG	6.1KG
Communication Interface		RS232/GPRS/ Optional WIFI		
<b>OPERATING ENVIRONMENT</b>				
Humidity		5% to 95% Relative Humidity (Non-condensing)		5% to 95% Relative Humidity (Non-condensing)
Operation Temperature		-10°C-50°C		

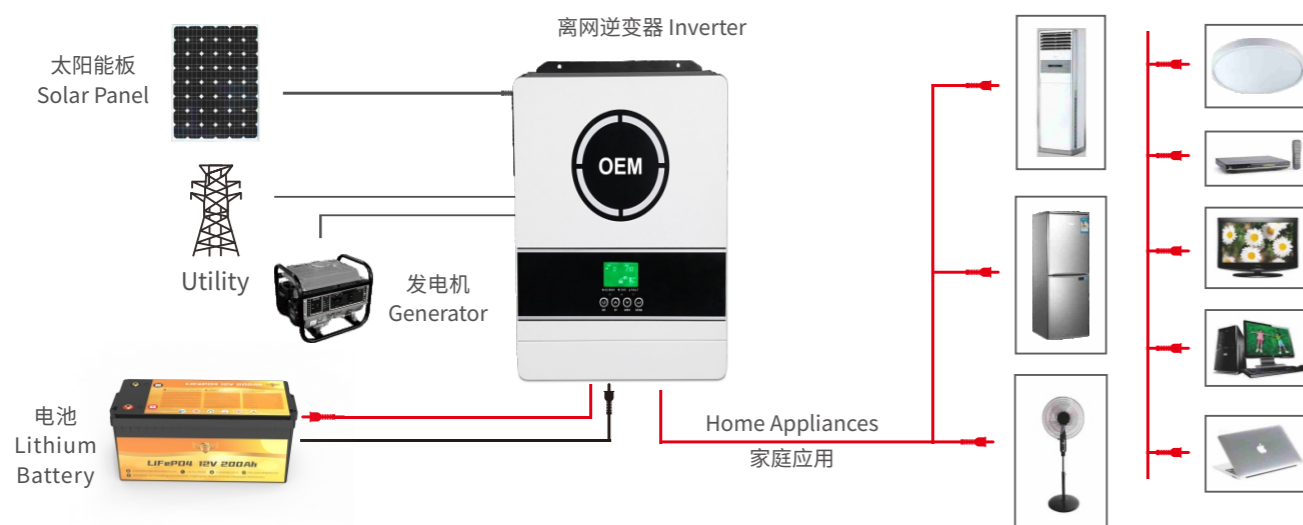
# E-SUN 1KVA-3KVA Off Grid MPPT Solar Inverter



## 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





# E-SUN 4.2KVA-6.2KVA On&Off Grid MPPT Solar Inverter



## On&Off Grid MPPT Solar Inverter

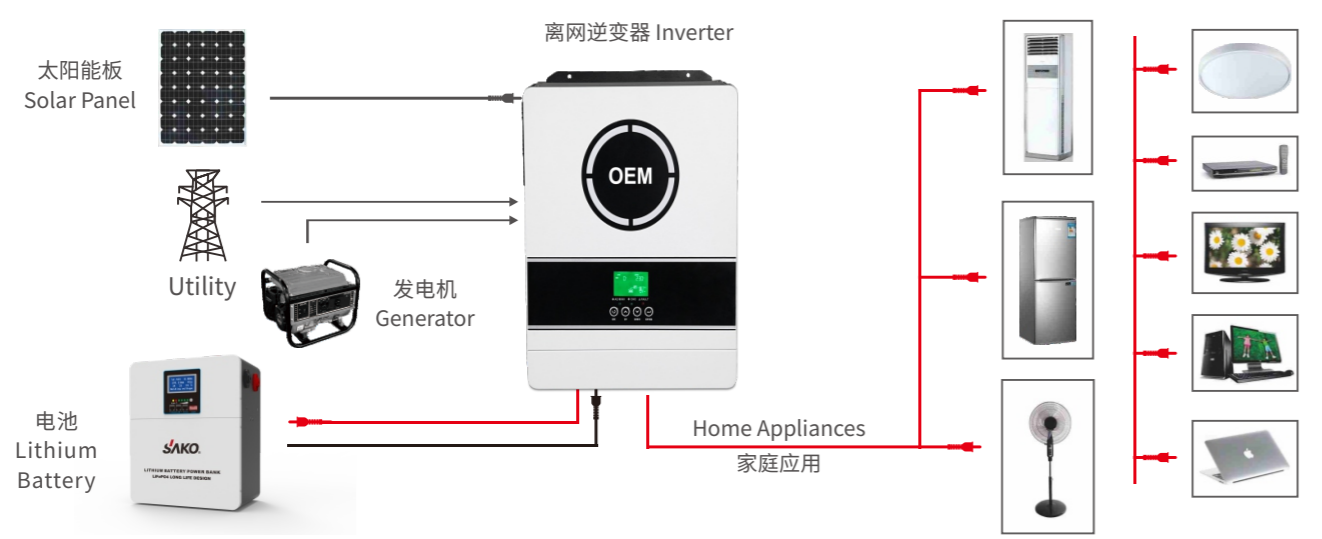
### TECHNICAL PARAMETER

TECHNICAL PARAMETER		
Model	E-SUN 4.2KVA	E-SUN 6.2KVA
PF	0.9	0.9
<b>AC INPUT</b>		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC (UPS Mode) , 90-280VAC (APP Mode)	
Frequency Range	50Hz/60Hz (Auto adaptive)	
<b>AC OUTPUT</b>		
AC Voltage Regulation (Batt. Model)	230VAC ± 5%	
Surge Power	7000VA	11000VA
Efficiency(Peak)	93.5%	94%
Transfer Time	Computers (UPS Mode)10ms , Appliance (APP Mode)10ms	
Wave form	Pure sine wave	
<b>BATTERY</b>		
Battery voltage	24.0VDC	48.0VDC
Floating Charge Voltage(Adjustable)	28.0VDC	56.0VDC
Constant Charge Voltage(Adjustable)	28.8VDC	57.6VDC
Overcharge Protection	30.0VDC	60.0VDC
<b>MPPT SOLAR CHARGER &amp; AC CHARGER</b>		
Maximum PV Array Power	5000W	6000W
MPPT Range Operation Vol	40V~450VDC	120V~450VDC
Maximum PV Array Open Circuit Vol.	500VDC	500DC
Standby Power Consumption	33W	67W
Maxmum Solar Charge Current	MPPT 100A	MPPT 100A
Maxmum Trace Efficiency	99.5%	
Maxmum AC Charge Current	100A	100A
Maxmum Charge Current	100A	100A
<b>BEST SOLAR PANEL CONFIGUTATION</b>		
Max. generated from solar charger	5000W	6000W
Best Panel configuration	540Wp/39V*9pcs (4860Wp) 9S Strings and 1S Parallel	410Wp/39V*14pcs (5740Wp) 7S Strings and 2S Parallel
<b>PHYSICAL</b>		
Product Dimension	L453mm*W312mm*H120mm	
Net Weight	7.0kg	8.2kg
Package Dimension	L550mm*W393mm*H196mm	
Gross Weight	8.5kg	9.7kg
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operation Temperature	0°C-50°C	

### MAIN FEATURES

- Pure sine wave solar inverter(on/off Grid)
- WiFi&GPRS available for IOS and Andriod
- Inverter can run without battery
- High PV input voltage range(40~500VDC)
- Dual communcation ports for battery and WiFi(option)
- Built-in anti-dust kit for harsh enviroment
- Smart battery charge design to optimize battery life
- Hybrid function
- Dual AC output

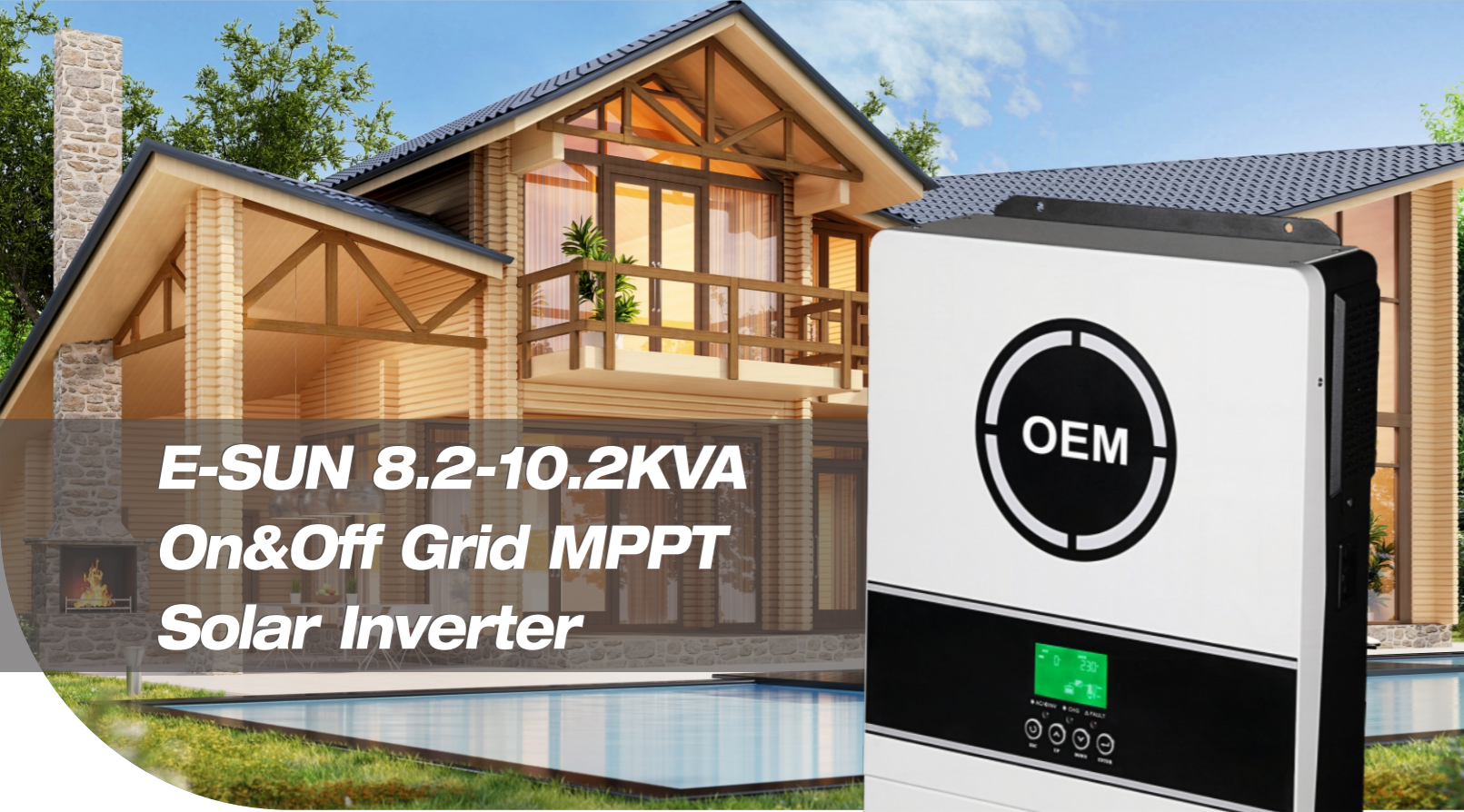
### Solar System Connection



We Can Provide All Kinds Of Solar Solutions According To Your Demands.

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# E-SUN 8.2-10.2KVA On&Off Grid MPPT Solar Inverter



## On&Off Grid MPPT Solar Inverter

### TECHNICAL PARAMETER

MODEL	E-SUN 8.2KVA	E-SUN 10.2KVA
Max.PV Power	8200W	10200W
Rated Power	8200VA	10200VA
Max.Charge Current	160A	160A
<b>BATTERY</b>		
Battery Voltage	48VDC	48VDC
Floating Charge Voltage	54VDC	54VDC
Overcharge Protection	63VDC	63VDC
Battery Type	Compatible with GEL, AGM, Lithium Battery	
<b>GRID INPUT</b>		
Voltage	230 VAC	
Selectable Voltage Range	170-280VAC(For Personal Computers);90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
Efficiency(AC Mode)	98%	
<b>AC OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%	
Surge Power	16400VA	20400VA
Efficiency (Peak)	90%~94%	
Transfer Time	10 ms(For Personal Computers);20 ms (For Home Appliances)	
Waveform	Pure sine mave	
<b>DUAL LOADS AC OUTPUT</b>		
Full Load	8200VA	10200VA
Maximum Main Load	8200VA	10200VA
Maximum Second Load (Battery Mode)	2800W	3400W
Main Load Cut Off Voltage	44VCD	44VCD
Main Load Return Voltage	54VCD	54VCD
<b>SOLAR CHARGER &amp;AC CHARGER</b>		
Solar Charger Type	MPPT	
Maximum PV Array Power	5400W*2	5400W*2
Max. input Current	18A	18A
MPPT Range @ Operating Voltage	90~450VDC	90~450VDC
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	160A	160A
Maximum AC Charge Curent	140A	140A
Maximum Charge Curent	160A	160A
<b>PHYSICAL</b>		
Packing Dimension,DXWXH(mm)	700*510*232	700*510*232
Net Weight (kgs)	17.2	19.1
Communication Interface	USB/RS232/WIFI/GPRS	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
Product specifications are subject to change without further notice.		

### MAIN FEATURES

- Pure sine wave,Hybrid on&off inverter can feed to grid
- Optional Local WIFI&GPRS available for IOS and Andoid
- Inverter running with or without battery
- Build-in Lithium battery automatic activation
- Build-in 120A/160A MPPT solar charge controller
- High PV input voltage rang (90~450VDC)
- Dual output L1/L2
- Battery independent design
- User-friendly LCD operation
- Enhanced charging power

### Solar System Connection

