



## Convenient Remote Monitoring with WiFi and GPRS Enabled Hybrid Inverters

### Basic Information

- Place of Origin: China
- Brand Name: TP
- Certification: CE
- Model Number: ESUN8t10
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



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

### Product Specification

- Max PV Power: 8200W (E-SUN 8.2KVA), 10200W (E-SUN 10.2KVA)
- Battery Voltage: 48VDC
- Floating Charge Voltage: 54VDC
- Overcharge Protection: 63VDC
- MPPT Range: 90~450VDC
- Charging Current: 160A
- Highlight: **e-sun hybrid inverters,**  
**e-sun mppt solar charge controller**



SK-E-SUN 8.2-10.2KVA On&Off Grid MPPT Solar Inverter-1

## Product Description

### Convenient Remote Monitoring with WiFi and GPRS Enabled Hybrid Inverters

#### 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

#### Product Description:

This **Hybrid Inverter** is a highly efficient energy solution, designed for both grid-tied and off-grid applications. It supports the combined use of batteries and solar panels and features smart functions like **automatic battery activation** and **enhanced charging power**. With a built-in high-performance MPPT controller, it maximizes energy generation efficiency, making it ideal for residential and small commercial applications. The dual load output design ensures continuous power supply even during outages. Additionally, the inverter supports multiple communication options, such as **WiFi and GPRS**, allowing for convenient remote monitoring and management.

Remote Monitoring and Management:

MODEL	E SUN 8.2KVA	E SUN 10.2KVA
Max PV Power	8200W	10200W
Rated Power	8200VA	10200VA
Max.Charge Current	160A	160A
BATTERY		
Battery Voltage	48VDC	48VDC
Floating Charge Voltage	54VDC	54VDC
Overcharge Protection	63VDC	63VDC
Battery Type	Compatible with GEL,AGM,Lithium Battery	
GRID INPUT		
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%	
AC OUTPUT		
AC Voltage Regulation(Batt.Mode)	230VAC±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	

DUALLOADS AC OUTPUT		
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
SOLAR CHARGER &AC CHARGER		
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 PVArray Open Circuit Voltage	500 VDC	
Maximum SolarCharge Current	160A	160A
Maximum AC Charge Curent	140A	140A
Maximum Charge Curent	160A	160A
PHYSICAL		
Packing Dimension,DXWXH(mm)	700*510*232	700*510*232
Net Weight(kgs)	17.2	19.1
Communication Interface	USB/RS232/WIFVGPRS	
OPERATING ENVIRONMENT		
Humidity	5%to 95%Relative Humidity(Non-condensing)	
Operating Temperature	-10°Cto 50°C	

Storage Temperature	-15°C to 60°C
Product specifications are subject to change without further notice	

**Application:**

This inverter is widely used in **home energy storage systems, solar power generation systems**, and other scenarios requiring efficient energy management. It is especially suitable for users aiming to reduce energy consumption through solar power or needing emergency power supply during outages.

**Shipping Methods**

Supports global air and sea shipping.

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