



## 5kw Solar Panel Photovoltaic System Hybrid Grid Kit Roof Mounting

Our Product Introduction

for more products please visit us on [rechargeable-liionbattery.com](http://rechargeable-liionbattery.com)

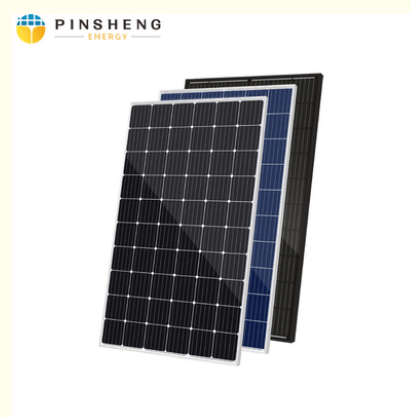
### Basic Information

- Place of Origin: Hunan, China
- Brand Name: Picell, Neutral or OEM
- Model Number: PE-S5KW
- Minimum Order Quantity: 1 set
- Price: USD600~1200/Set
- Packaging Details: customary packing
- Delivery Time: 20days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 30000 set/month

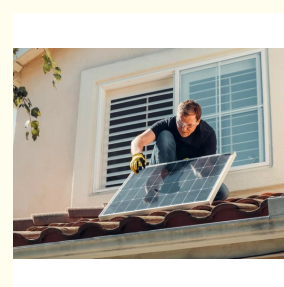
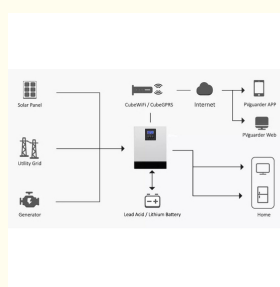


### Product Specification

- Load Power (W): 5KW
- Mounting Type: Ground Mounting, Roof Mounting, Carport Mounting
- Controller Type: MPPT
- Solar Panel: A Grade Mono Solar Panel
- Specification: Normal/Customized
- Inverter Type: Off Grid Hybrid Type
- Work Time (h): 24 Hours
- Warranty: 10 Years
- Battery Type: Lithium Ion, Lithium Ion
- Output Voltage (V): 220V
- Highlight: **Roof Mounting Solar Panel Pv System, Lithium Ion Solar Panel Pv System**



### More Images



# Product Application

1. No blocking light and exterior scenery, no battery shadow in the room, no uneven lighting, not easy to cause visual fatigue, beautiful design, complex modern aesthetic.
2. Photovoltaic glass can block the sun and reduce the direct exposure to ULTRAVIOLET rays.
3. Provide electricity for household appliances.
4. Save electricity bills, and sell surplus electricity to the grid company to make money.
5. Whether in the cold winter or in the hot summer, the photovoltaic solar room can create a comfortable
6. and healthy space for you and your family.
7. It is your best choice for entertainment, sports, rest, reception and leisure.



## Outdoor lighting

- 1.Into light energy
- 2.Electricity saving exquisite
- 3.Green environmental protection
- 4.High safety factor



## Use more land resources

Solar power generation bases can be built on the desert to directly reduce the direct solar radiation to the surface of the desert, effectively reduce the surface temperature, reduce evaporation, and green environmental protection

## Farm

- \*Farm power generation
- \* No danger of exhaustion
- \*Absolutely clean (pollution-free)
- \* High energy quality



## Photovoltaic power stations

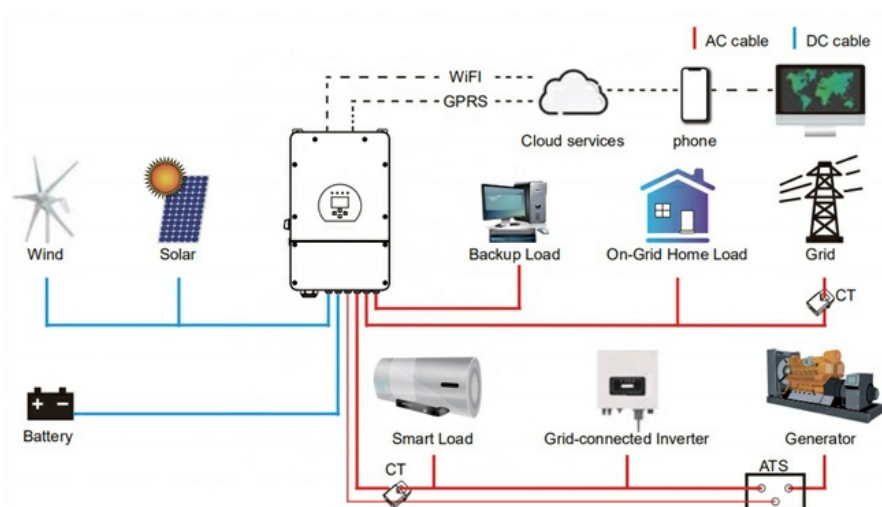
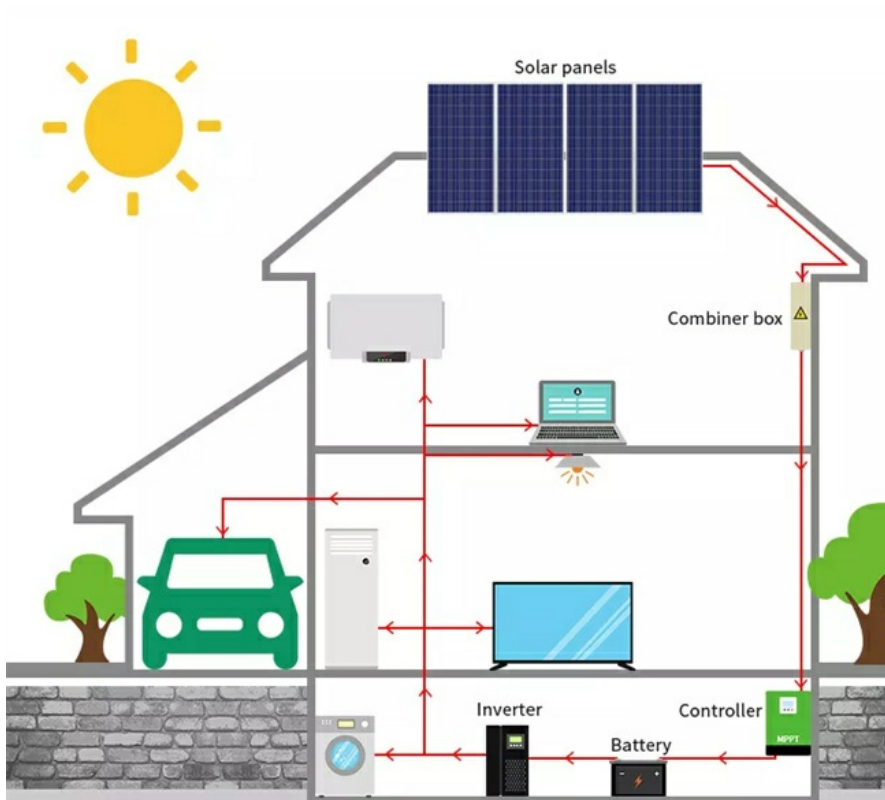
10KW-50MW independent photovoltaic power station, wind (diesel) complementary power station, various large parking plant charging station, etc.

# System Composition

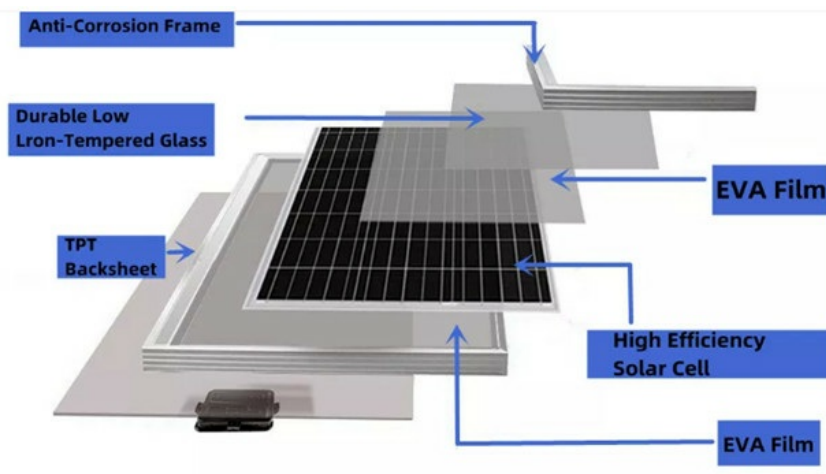
Solar photovoltaic power generation



Use solar cells to directly convert solar energy into electricity. Photovoltaic power generation system is mainly composed of solar cells, batteries, controllers and inverters, of which the solar cell is a key part of photovoltaic power generation system, the quality and cost of solar panels will directly determine the quality and cost of the whole system.



# configurations



**1. Solar Cell Type:** adopt high efficiency (more than 16.5%) monocrystalline silicon solar panel package to ensure sufficient power generation of solar panels.

**2. EVA:** the high quality EVA film with thickness of 0.78mm with anti-UV agent, antioxidant and curing agent is used as the sealant of solar cell and the connecting agent between glass and TPT. It has high light transmittance and anti-aging ability.

**3. TPT:** the back cover of the solar cell - fluorine plastic film is white, reflecting the sunlight, because it has a high infrared emissivity, but also can reduce the working temperature of the component, but also conducive to improving the efficiency of the component

**4. Frame:** the aluminum alloy frame has high strength and strong resistance to mechanical impact. It is also the most valuable part of the solar system. Its function is to convert the solar radiation capacity into electric energy, or to storage battery, or to promote the load.

**5. Glass:** the use of low iron tempered suede glass (also known as white glass), thickness of 3.2mm, in the wavelength range of solar cell spectral response (320-1100nm) transmittance of 91% or more, for more than 1200 nm infrared light has a high reflectivity, can withstand solar ULTRAVIOLET radiation, transmittance does not decrease.

## Hybrid On Grid Inverter

- \*Hybrid On Grid Inverter
- \*Rated Power 2kw-10kw
- \*Build in Mppt solar charge controller
- \*Low and High Voltage with BMS Multi Protection
- \*Wide AC input 170~280V/90~280V
- \*Auto Frequency sensing 50Hz/60Hz





### Solar Storage Battery

- \*48V 100ah 150ah 200ah Battery Optional
- \*Lithium ion LifePO4 Module or Powerwall Optional
- \*Has excellent performance and longer life-span
- \*Higher energy density, smaller volume for household
- \*All-time Monitor safety for home
- \*Fast installation and convenient design

### PV array combiner box

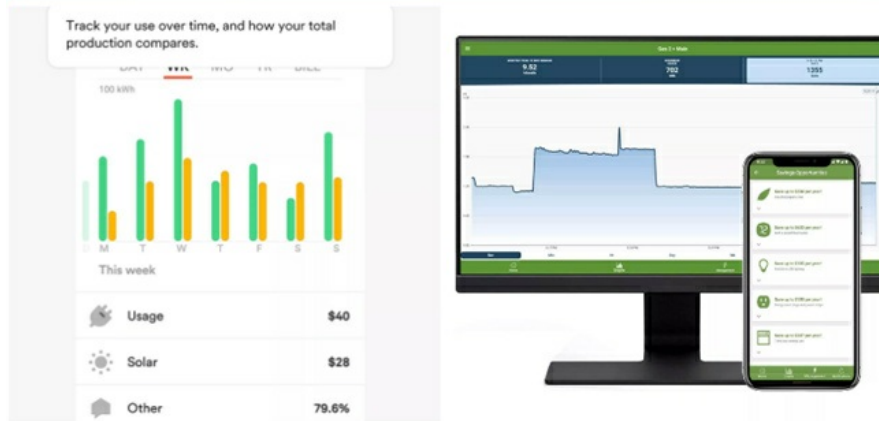
- \*Applicable for outdoor PV systems
- \*Number of PV input array: 6
- \* Max input pv current each array: 16A
- \*Max output current: 96A, 600Vdc
- \*Lighting Protection, it reduces solar cable IP65



### Toolkit

- \*Wire Cable Cutter & Stripper,
- \*MC3 MC4 Crimper
- \*MC4 Compatible /MC4 EVO2/TS4\*
- \*Disassembly Tool
- \*500N Tensile Strength Female/Male/Fuse

# Product Advantage



**Data Logging Stick** allows you to receive information from solar power system, in order to keep you informed about the situation of your PV system, and the atmosphere conditions, everywhere and every time, thanks to our web server, accessible via Wi-Fi, Lan or GPRS. App Available for PC, IOS & Andriod



## Easy to install

You can install yourself, save time and effort, suitable for different roof structures, to meet the needs of different consumers





### Adapting to extreme weather

\*PID Resistant, High salt and ammonia resistance\* Low temperature and high temperature resistance

\*Solar power does not need to take up extra land, roof, wall can be used for its applications

\*The utilization rate of wasteland can be improved by constructing solar power generation base in desert

## parameter

Solar Panel Type	Monocrystalline Silicon
Battery Type	Lithium Ion
Mounting Type	Ground Mounting, Roof Mounting,  Carport Mounting



Hybrid Inverter	5KW Three Phase
Output Voltage (V)	220V, 400V(360V-440V)
Load Power (W)	5kw
Work Time (h)	Depend On Sunshine Duration
Product name	Solar system
Type	Off Grid Solar System
Solar panel	A Grade Mono Solar panel
Inverter option1	Single phase 110V/220V
Solar Charge Controller	MPPT
Storage Battery	Lithium or Lead Acid
Mounting Brackets	Customized Roof
Installation Tools	Include

# Company Display



## CERTIFICATE



# FAQ

## Q1 Can you give me a discount ?

**A:** We are manufactory , our policy is that bigger quantity , cheaper price , so we will give you discount according to your order quantity

## Q2 The shipping cost is too high , can you give me more cheaper ?

**A:** When we calculate the shipping cost for you . we will use the cheapest and safest courier .and it is shipping company who ask us to pay , we cant gie you cheaper , pls kindly understand But we can promise that we will not ask you to pay more shipping cost , if u think it is too expensive , you can use your own shipping company . it is ok for us .

## Q3 Can you offer free shipping ?

**A:** For we are manufacturer, we have given the cheapest price as we can,and we did not add shipping cost into the products cost , so we cant offer free shipping , pls kindly understand , tks .

# WE CAN DO IT



## Our advantage :

- ✓ high efficiency development based on our strong team
- ✓ supply goods with lowest price
- ✓ high quality service



## Our promise :

- ✓ professional service for customer , provide correct sample quickly
- ✓ supply high quality standard
- ✓ delivery goods on time

## PAYMENT&LOGISTICS

### LOGISTICS

BY AIR / BY SEA / EXPRESS / UPS / FEDEX / DHL



### Trade Assurance

T/T



L/C

PayPal



VISA





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