



100KW Solar Power System Off-Grid Solar Energy System For Household

Basic Information

- Place of Origin: China
- Brand Name: Yahua lighting
- Certification: CE ROHS IES
- Delivery Time: 5-8 Days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram



Product Specification

- Solar Power: 100KW
- Type: Off-grid System
- Battery: 2V/1500AH
- Warranty: Solar Panels 20 Years And Inverter 5 Years
- Solar System Capacity: 400KWH
- Solar Panel: A Grade Poly Or Mono Solar Panel
- High Light: 100KW Solar Power Generation System, 100KW Solar Power System
- Highlight: 100KW Off-Grid Solar Energy System, Household Solar Power System Panel 1500AH, Off Grid Solar System Mono Panel



More Images



Product Description

Products Description

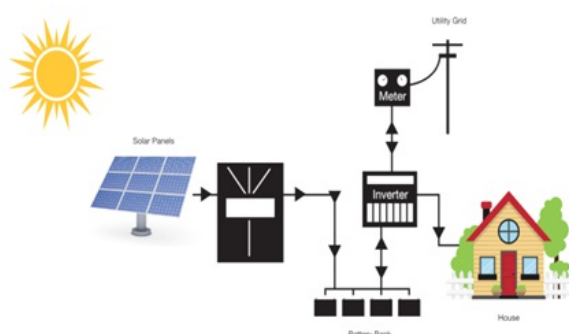
A solar power system is a type of photovoltaic energy generation system that harnesses the power of sunlight to generate electricity. With a capacity of 100 kilowatts (kW), this technology proves to be an ideal solution for medium to large-scale commercial or industrial applications, as it offers a significant reduction in energy costs and greenhouse gas emissions. While the output of a 100KW solar power system may differ based on geographical location and weather conditions, the average daily electricity production would amount to approximately 400-450 kWh, which is sufficient to power up to 60 households.

Advantages

1: Hybrid solar systems offer the best of both worlds, combining the advantages of grid-tied and off-grid solar systems. These systems are commonly referred to as either off-grid solar systems with backup power from the utility company, or grid-tied solar systems with additional battery storage capabilities. In situations where the utility power is either too expensive to access or unavailable, hybrid solar systems enable you to generate your own electricity using solar panels, effectively allowing you to function as your own power supplier.

2: Reliability and durability are key features of solar panels. These panels are built to endure a wide range of weather conditions and can be relied upon for many years. With adequate maintenance and care, a 100KW solar power system can provide consistent and reliable power for decades, making it a wise and cost-effective investment in the long term.

3: A 100KW solar power system can provide a higher degree of energy independence by decreasing reliance on conventional energy sources. This aspect is particularly important for businesses and organizations seeking to improve their energy security, reduce their vulnerability to power outages and disturbances, and align with green initiatives. Apart from this, leveraging clean energy sources inherently enhances environmental credentials and reinforces the brand's reputation in the market.



100KW Solar Power System Including:

Item	Model	Description	Quantity
1	Mono 350W solar panel 350P-72	Size:1960x992x40mm Weight:22KG	320PCS
2	Hybrid inverter 100000W	Output Voltage: 400V Hz:50-60HZ	1PC
3	Monitoring system	Web Box	2PCS
4	Pv Combiner box	10 input 1 output	2PCS
5	GEL battery	2v 1500ah	290PCS
6	Mounting Structure	On roof or on ground	1SET
7	PV Cables	4mm2 pv cables	1800M
8	PV connector	Rated Voltage:1000V	100PAIRS

100 kW solar system cost:

The cost of a 100KW solar power system is influenced by several factors, including the type of panels, inverters, and installation expenses. However, as of 2021, the average expenditure for a 100 kW solar system in the United States ranges from \$100,000 to \$150,000. It is worth mentioning that incentives, tax credits, and rebates may be available, which could reduce the overall cost. To get a more precise estimate based on your location and energy requirements, it is advisable to seek advice from a reputable solar installer.

How much will a 100kw solar system produce?

Numerous elements impact the amount of power generated by a 100 kW solar system, such as the positioning and alignment of the panels, panel efficiency, and weather conditions. Despite this, it can be estimated that a 100 kW solar power system can typically produce between 146,000-162,000 kWh of electricity annually, based on these factors.



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