



Off-grid energy storage 20 kWh

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A 20kW solar system is ideal for homes, farms and medium businesses. We provide both off-grid household energy storage system and on-grid residential energy storage system. The complete off-grid 20kW solar power system is the most versatile and popular of our off-grid stand-alone solar system products.

A 20kW solar system belongs to 48V family energy storage series. This high-quality solar system provides reliable power, without any compromise on your lifestyle. Capacities of this off-grid solar system can power a house of large size or larger properties.

A 20kW solar panel system is best suited for larger homes, or stations even businesses with more energy-intense appliances. With the characteristics of safety, long service life, and perfect after-sales service, our products S Series will be the best choice for your household energy storage meeting your higher power needs.

An on-grid residential energy storage system can also live up your expectations of recovering the cost quickly by connecting the grid in that it allows a combination of exporting electricity to the grid and using the power in the home. In this case, you can not only produce energy you need but earn an extra profit.

Compared with an on-grid power system, an off-grid one has a high-quality component which gives you dependable grid quality solar energy all day and night. It requires a small amount of space and should fit neatly in your utility shed, or alternatively in your weather-proof and self-contained enclosure. Solar panels can be mounted on your roof or on adjustable ground frames.

As a 20kW system can produce more power, it is more expensive than the smaller ones. However, if you have higher energy requirements, it's often quicker to pay off the cost of installation by installing a system with a larger capacity.

With an off-grid solar system, you're completely reliant on the sun and energy stored in batteries to power your home or business. If you decide to install an on-grid solar system, you will always have access to electricity from the utility grid whether or not your solar system is producing energy.

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If your system is not tied to a grid, you won't receive an electric bill. However, off-grid systems are often more expensive because of the additional equipment like batteries needed. If you opt for a grid-tied system, you could still see delivery charges or demand charges on your electricity bill, even if your solar system



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provides 100% of your electricity

According to reports, installing a 20 kWh battery with your 20kW system for everyday use can boost the amount of self-generated solar power a household consumes from 30% to 60%.

If you plan to reduce your carbon footprint, save money or reduce your home electricity bills, installing a battery with a 20kW system is an excellent first step. But you should also consider the additional cost of battery installation, your payback period, and how much you are likely to save over time.

To determine how long it would take to pay off a system, you must calculate the total monetary value of the energy produced by the system on an annual basis, and divide the cost of the system by this figure.

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