



Energy storage battery 30 kWh

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This 30 kilowatt solar system consists of 36*550W solar panels, 1*12kWh hybrid inverter, 6*5.12kWh rack battery modules totaling a 30kW battery storage, and paired necessary solar cables. The residential electrical storage systems can meet up to a high-demand home power consumption requirements, such as: electrical appliances, start high power motor, home EV charging station and sell the electricity to the grid to get the best profit.

The high modules conversion efficiency 580Watt Monocrystalline solar cells. It designed waterproof, corrosion-resistant aluminum frame for extended outdoor use. Suitable for industrial and professional applications, like caravan, RV, golf car, yacht, boat etc.

The PV combiner box organizes the connection and confluence of PV modules. Used to reduce the connection between photovoltaic arrays and inverters and optimize the system structure. This makes it easier to cut off the circuit during maintenance and reduce the scope of power outages when the photovoltaic system fails. It will make the solar system work at its best and increase the output power.

Covering ground wires, photovoltaic wires, communication wires, MC4 connectors and other accessories. The system is one-stop purchasing, making it user-friendly.

The safe Lithium Iron Phosphate (LiFePO₄ or LFP) batteries with enclosure makes installation simple with copper bus bars for each battery module. Cables are provided from the host battery module to the inverter at a customer determined length. Coupled with the Sol-Ark inverters, this is a pre-wired system that contains the battery, inverter, charge controller, and more, all in one package; no fuses, breakers, or combiner boxes necessary! With minimal additional hardware required, your install stays simple and low-cost.

Easy Installation: Battery module design fits our indoor/outdoor cabinet and wall mount option with closed loop communication with Sol-Ark inverters. This is a pre-wired system that contains the battery, inverter, charge controller, and more, all in one package; no fuses, breakers, or combiner boxes necessary! With minimal additional hardware required, your install stays simple and low-cost.

Superior Safety: POWERSYNC designs all systems to meet and exceed all safety requirements for energy storage systems. At the cell level our systems have successfully passed explosion resistance crush, puncture, drop and impact tests. At module, stack, and system levels, our advanced battery management system balances the cells and the paralleled modules, protects against under/over voltage and current, temperature and short circuit protections.

LiFePO₄ Modular Storage – BrochureLiFePO₄ Modular Storage – Data SheetsLiFePO₄ Modular Storage – Product ManualLiFePO₄ Modular Storage – Warranty



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Sol-Ark 12K ManualSol-Ark 12K BrochureSol-Ark 12K Spec Sheet (English)Sol-Ark 12K Manual (Spanish)Sol-Ark 12K Spec Sheet (Spanish)Sol-Ark 12K – Whats in The BoxSol-Ark 12K Warranty

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