



# Solar batteries off grid kit

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Discover unparalleled energy independence with our Off-Grid Solar Kits, showcasing the advanced EG4® 6000XP inverters. Tailor your system with a diverse range of components and battery options. Our comprehensive solution includes a 6-slot EG4 Battery Rack, ensuring seamless integration of cutting-edge technology. Manage and optimize your system effortlessly with the EG4 Monitoring App. Empower your energy future with our Off-Grid Solar Kits, complemented by Texas-based lifetime customer support.

\*Our kits include just about everything you will need. However, you need your own installation tools and grounding rods/wire as well as optional components like surge limiters, and breaker panel/s. We also strongly recommend getting a certified solar installer and/or master electrician for professional installation.

Performance Components include a 6000W rated output power, the capability to parallel up to 16 units for a total of 96kW of output power, and a built-in switchgear that not only enhances cost-efficiency but also bolsters safety measures. This comprehensive system also incorporates an inverter, AC charger, and solar charge controller, streamlining various functions into one integrated solution. Its transformer-free design further incorporates a dedicated generator connection, while the inclusion of built-in breakers and disconnects offers additional savings and convenience.

The EG4 6000XP is a cutting-edge 48V split-phase, off-grid inverter and charger, designed to revolutionize your energy needs. With an impressive 8kW of PV input capacity and an efficient 6kW continuous power output, it also serves as a battery 140A charger. What sets it apart is its scalability - you can parallel up to 16 units for an impressive 96kW of output power while controlling multiple stations and units seamlessly using our advanced EG4 monitoring software.

EG4 Storage Solutions 6 Slot Battery Rack, featuring an enclosed cabinet design. The cabinet door swings open on a sturdy hinge, allowing easy access to the equipment and cables for easy installation. The door panel locks securely to help prevent damage, tampering, and/or theft. The front door is vented, allowing for air to flow freely and keep equipment cool. Top and bottom ports allow for easy cable routing.

Signature Solar offers 2/0 AWG battery cables designed to outlast and outperform any other cables on the market. These are American Made and Manufactured. 2/0 AWG Battery Cable UL MTW/THW/SGT Flexible with ends, 3/8 inch ring terminal end.

The SI32-PEL64R-4 from IMO Precision Controls is a rotary actuator switch lockable off in a plastic enclosure. This True DC isolator is developed explicitly as a True DC switch to disconnect the DC/AC inverter from the photovoltaic panels. All photovoltaic installations must be equipped with DC isolators per IEC 60364-7-712.



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Signature Solar offers 1 AWG battery cables designed to outlast and outperform any other cables on the market. These are American Made and Manufactured. 1 AWG Battery Cable UL MTW/THW/SGT Flexible with ends, 5/16 inch (M8) connector end.

MidNite Solar Surge Protective Device (MNSPD): Engineered for both indoor and outdoor use, our Type 1 SPD safeguards AC and DC systems, including transformer and transformer-less inverters. It complements GFP protection circuits and defends service panels, load centers, or directly connected electronic devices. Available in three voltage options (MNSPD-300AC, MNSPD-300DC and MNSPD-600) for tailored protection. Proper installation is crucial for maximum effectiveness.

The MC4-style crimping tool allows simple easy to use crimping for common solar cable applications with MC4-style connectors. Lightweight portable style allows for work in hard to reach locations.

These spanner tools are used for assembly of Staubli MC4 connectors. They can be used for disconnecting a mated pair of locked connectors, tightening cable glands, and securing the connector.

The EG4 LiFePOWER4 48V V2 battery maintains the sturdy design and high performance of the original model, while adding new features for an improved user experience and better system integration. This Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery is composed of 16 UL recognized prismatic 3.2V cells in series, offering over 6,000 deep discharge cycles at 80% Depth of Discharge (DoD). It has a nominal voltage of 51.2V, an energy capacity of 5.12kWh, and an internal 100A Battery Management System (BMS).

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