



# Simple 12v solar power supply

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The Renogy 200W Solar Starter Kit is easy for you to install, and it is the most economical choice for solar beginners. This Renogy Solar Kit includes the equipment necessary for building a new system: a solar panel, a charge controller, needed electrical wiring, Solar Y Branch Connectors and Z-brackets, making it an ideal choice for both off-grid and mobile solar power applications.

This Starter Kit will produce an average of 1000Wh of electricity per day (Based on 5 hours of direct sunlight conditions). The 100W solar panel doesn't take up much roof space, but its energy can offset loads such as lighting, camera, and projector. With the Wanderer Li 30A PWM Charge Controller, the kit can meet your further power needs by adding more of the same solar panels to expand up to 400W.

The Starter Kit can build a reliable and environmentally friendly power supply, perfect for RVs, campers, boats, sheds, and cabins. It can also be installed as a power supply for outdoor appliances and emergencies, and as a stand-alone power system.

The bypass diode can ensure the panel has an excellent performance in a low-light environment and the TPT back sheet dissipates excess heat to ensure smooth output performance. The Cell Efficiency can reach 22%.

The Wanderer PWM charge controller features advanced 4-stage charging (bulk, boost, float, and equalization) to ensure your battery is efficiently and safely charged to 100%.

The Wanderer PWM Charge Controller is compatible with four different types of batteries: Sealed, Gel, Flooded, and Lithium batteries. Connecting the BT-1 Bluetooth module to the RS232 communication port, you can monitor the system status in real-time through the DC Home app.

The IP65 Junction Box protects against environmental particles and low-pressure water jets. These IP67 waterproof solar connectors ensure that the water and dust will not enter the connector during extended outdoor use. Effectively preventing water from seeping in.

This Renogy Solar Kit includes the equipment necessary for building a new system. The necessary cables, Z-brackets, Solar Y Branch Connectors and pre-drilled holes on the back frame of the panel allow fast and secure mounting.

A solar panel has to be connected to a charge controller to regulate current, and a battery to store the electrical power. You will need adapter kit cables to wire the solar panel(s) and charge controller, and tray cables connecting the charge controller to a deep-cycle battery.

Renogy Custom Kit is designed with your convenience in mind. Our comprehensive range of options ensures



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that you can create a solar power system that fits seamlessly into your lifestyle. Whether you're looking to power your home, RV, boat, or off-grid cabin, our custom kits provide a solution that meets your power needs with ease.

We offer a wide range of options, allowing you to mix and match different solar panel sizes, controllers, batteries, and inverters. No more hunting for compatible components from multiple sources &ndash; everything you need is conveniently packaged and ready to go.

The Kits come with 1pcs of 100W classic rigid (or ultra flexible) solar panels, 1pcs of 20A MPPT charge controller from the classic Rover series or the 10A or 30A PWM charge controller, no battery or 1pcs of 100Ah smart lithium battery with self heating feature (or the economical lithium battery with built-in Bluetooth), no inverter or 1pcs of 1000W pure sine wave inverter (or inverter charger), and all necessary accessories including cables, connectors, mounts and monitoring to connect the main components you have chosen.

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