

Off-Grid Solar Power and Lighting System

This system features a solar panel for energy harvesting and a central power unit with multiple output ports. It provides off-grid power and lighting solutions in remote areas or during power outages and includes a display for monitoring system status and battery level.



Overview

Off-Grid Solar Power Solution

The RGS1206 is a robust off-grid solar power and lighting system designed for reliable energy access in remote locations or during power outages. This compact unit combines a 6W solar panel with a 4AH battery, providing versatile DC and USB power outputs for essential devices. It includes integrated LED lighting, making it an ideal all-in-one solution for basic electrification needs.

Power & Energy

Rated Current

1 A

Rated Current

Solar Panel Power	6 W
Battery Capacity	4 AH/12V
Full Charging Time	10 hours (determined by sunshine)

Connectivity & Outputs

DC Output Ports	12V/2A (x4)
USB Output	5V/500mA (x1)
Included USB Cables	Multiple function connecting cable (x1)

Lighting

Lighting Runtime

Configuration	Runtime
3W LED	12 hrs
2x 3W LED	6 hrs

LED Lighting	3W LED (x2)
Cable Length	4m with switch (x2)

Components

Solar Controller	3A/12V
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