

# Off-Grid Solar Lighting and Charging System

This off-grid system provides both lighting and mobile charging capabilities. It features a solar panel, control box with integrated battery, LED lamp, and multiple USB charging adapters.



## Product Overview

### Sustainable Off-Grid Power

The MRD303 is a compact, efficient off-grid lighting and charging solution designed for homes and remote locations without reliable grid access. The system integrates a solar panel, a control box with battery storage, and high-efficiency LED illumination to provide a sustainable energy source. It also supports mobile connectivity by offering multiple charging adapters, making it an essential tool for lighting and communication in underserved areas.

## Key Features

### System Capabilities

- Solar energy harvesting
- Integrated battery storage
- LED illumination
- Mobile device charging via USB

## Application

### Target Environment

Off-Grid, Remote Locations, Home Use, Eco-friendly