

# Hybrid Wind and Solar Street Light

This off-grid system uses both wind and solar energy to power street lights. It includes a wind turbine, solar panels, a charge controller, and a battery for continuous operation.



## Overview

### Sustainable Off-Grid Illumination

This off-grid wind and solar hybrid street lamp system is engineered for reliable, sustainable outdoor lighting in remote locations. By integrating both wind turbine technology and solar panels, the system maximizes energy capture throughout the day and night. It features an intelligent charge controller and integrated battery storage to ensure consistent illumination even during periods of low environmental irradiance.

## Technical Components

### Core Components

- Wind Turbine
- Solar Panel
- Charge Controller
- Battery Storage

### Operational Mode

Off-Grid

### Energy Sources

Wind Turbine, Solar Panel

## Key Features

### System Capability

**2 Types**

Energy Sources