

Portable Wind Turbine Traffic Signal

This portable traffic signal system uses a vertical axis wind turbine for power. It is designed for temporary traffic control in areas where grid power is unavailable.



Product Overview

Sustainable Traffic Management

This portable traffic signal system offers an innovative, off-grid solution for temporary traffic control. By integrating a vertical axis wind turbine directly above the signal array, the unit generates its own power, making it ideal for construction zones, emergency response, and remote locations where grid power is unavailable. The wheeled, mobile design ensures rapid deployment and relocation as traffic needs evolve.

Technical Specifications

Power Generation	Integrated Vertical Axis Wind Turbine
Turbine Type	Three-blade design

Physical Attributes

Mobility Features	Portable, Wheeled Base, Yellow Frame, Handling Grips
Turbine Finish	Silver

System Components

Core Components

- Vertical Axis Wind Turbine
- Traffic Light Array (Red/Yellow/Green)
- Portable Wheeled Base
- Electronic Control Box

Control System	Integrated base-mounted control box for power conversion and storage
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Applications

Recommended Use Cases

Construction Zones • Emergency Situations • Off-Grid Traffic Control • Temporary Traffic Management