

TurboTurbine 750W – User Manual

TurboTurbine 750W Metadata

Model: TT-750

Category: small_turbines

Tags: small_turbines, TT-750, Cirrus, Renewable Energy, TurboTurbine 750W

1. TurboTurbine 750W Overview

High-output turbine with optimized aerodynamics for variable winds.

2. TurboTurbine 750W Intended Use

Designed for residential and light commercial renewable-energy applications. Any other use may void the warranty and pose safety risks.

3. TurboTurbine 750W Safety Information

- a. Never climb the tower while blades are rotating.
- b. Lock the mechanical brake and isolate circuits before maintenance.
- c. Maintain a 1.5× tower-height fall-zone clear of structures.

4. TurboTurbine 750W Prerequisites

- a. Read this manual in full before installation.
- b. Ensure local electrical codes and permits are satisfied.
- c. Have the following tools: multimeter, torque wrench, crimping tool, PPE.

5. TurboTurbine 750W Installation Guide

- a. Site hub ≥ 9 m above obstructions within 150 m.
- b. Torque anchor bolts to spec; re-check guy-wire tension after 30 days.
- c. Install lightning protection per IEC 61400-24.

6. TurboTurbine 750W Configuration & Operation

Refer to the controller or inverter interface to set voltage and charging parameters. Adjust based on battery chemistry or site requirements.

7. TurboTurbine 750W Maintenance Schedule

- a. Inspect blades semi-annually for cracks or ice damage.
- b. Grease yaw and rotor bearings every 12 months.
- c. Log vibration; service if >25 % above baseline.

8. TurboTurbine 750W Troubleshooting

- a. **No Output / Zero Power:** Check PV input voltage; verify connectors.
- b. **Low Power Output:** Inspect for shading, soiling, or loose wiring.

- c. **System Fault Code:** Consult controller/inverter fault table; reset after corrective action.

9. TurboTurbine 750W Technical Specifications

Specification	Value
Power Output	750W
Voltage	24V
Dimensions	35 x 35 x 55 inches
Weight	65 lbs
Warranty	4 years
Efficiency	32%

10. TurboTurbine 750W Regulatory & Standards

- a. IEC 61400-2
- b. IEC 61400-24
- c. NFPA 70E

11. TurboTurbine 750W Warranty & Support

Warranty: 4 years

For assistance, contact Cirrus support: support@cirrus.com or +1-800-CIRRUS-1.