SOLARTECH®

Harness the Power of the Sun

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SPTT-3000 Tower Trailer User's Guide

Basic Operation & Setup

Positioning

Chock wheels before detaching from tow vehicle. Extend jack stands. Jack stands should be used anytime the unit is not attached to a tow vehicle.

Chock wheels before detaching from vehicle.

Raising Tower

1) Be sure the trailer is positioned on solid ground.

2) Level the trailer using the four (4) corner swivel jacks and the bubble level located on the trailer frame.

3) Release Folding Lock Latch on rear upright -Yellow handle.

4) Release Telescoping Lock Pin located at the top of tower - Red pin.

5) Ensure any equipment to be mounted atop the tower is installed correctly.

Check for overhead wires and obstructions.

DO NOT stand beneath the tower when raising it to or from the vertical position.

6) Using the winch located on the trailer frame, raise the tower into the vertical position. Secure the tower in the vertical position with the two (2) locking pins located on base of tower.

7) Using the winch located on the tower, raise the tower until desired height is reached or all sections are fully extended. There is a mechanical stop when the tower is fully extended. Do not apply excessive force to the winch.

8) Loosen rotation lock bolt and rotate tower to desired position. Tighten locking bolt firmly.

9) Position Solar Arrays to correct angle and rotation for your geographic location. In the northern hemisphere the ideal direction is South at an angle approximately equal to the latitude of the location.

Teardown Procedure

NOTE: The Solar Arrays must be returned to the travel position before lowering the tower.

1) Switch Main Power "Off".

2) Angle Solar Arrays to flat and rotate to the travel position marked by red arrow.

3) Loosen Rotation Lock Bolt and rotate tower to center position. (Red arrows aligned)

4) Tighten Rotation Lock Bolt into recessed notch on rotation disc.

5) Using winch, lower tower until all sections are fully retracted.

DO NOT stand beneath the tower when raising it to or from the vertical position.

6) Release vertical lock pins at tower base and lower tower into horizontal travel position.

7) Engage Folding Lock Latch on rear upright -Yellow handle.

8) Engage Telescoping Lock Pin and ensure the 3 tower stages are locked together - Red pin.

9) Remove any equipment not staying on the tower for transport. Ensure any remaining cables are properly secured.

10) Attach trailer to tow vehicle, lock coupler, attach safety chains and check all items on transport checklist are met.

11) Close, latch and lock all battery boxes.

For complete operation and maintenance manuals as well as diagrams, software updates and more please visit Product Support at:

www.solartechnology.com

Phone 800-475-5442 or 610-391-8600
email: techsupport@solartechnology.com

General Maintenance

- Check battery fluid level once each month. Add distilled water if level is below indicating ring. (Not Applicable to Gel-Cell batteries)

  Avoid contact with battery fluid at all times. Should contact occur, flush with water and seek medical attention immediately.

  No smoking or open flames near battery compartment!

- Lubricate wheel bearings yearly.
- Check tire pressure during regular maintenance. Correct pressure is 45 psi (310 kPa).
- Clean camera lens and solar panels periodically as required.

☑ Transport Checklist

- ❑ Battery fluid level full in all battery cells.
- ❑ Close and latch all battery compartment covers.
- ❑ Battery compartments locked.
- ❑ Solar panels in Transport Position.
- ❑ Camera or other equipment removed from tower.
- ❑ Tower Folding Lock Latch engaged.
- ❑ Tower Telescoping Lock Pin engaged.
- ❑ All swivel jacks retracted and in travel position.
- ❑ Tongue folded to travel position and secured with pin.
- ❑ Integrity of coupler and safety chains checked.
- ❑ Coupler locked onto tow vehicle.
- ❑ Safety chains installed and crisscrossed under tongue.
- ❑ Stop and taillights connected and tested.
- ❑ Tire pressure reads 45 psi (310k Pa).

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