



SOLARTECH®

AS RELIABLE AS THE SUN

30-Foot Tower Trailer

30-Foot Tower Trailer

PRODUCT GUIDE

Solar Powered, SPTT-3000



Powered by a combination of solar panels and batteries, this sturdy platform features a three stage telescoping and rotating galvanized steel mast that can be raised to any height between 13.5 and 30 feet. Smooth inter-stage roller bearing technology allows for very little movement between the mast stages, ensuring superior image stability for cameras and exceptional accuracy for data collected by sensors.



ABOUT THE TRAILER

The heavy duty, all steel trailer frame can be towed to any location. Includes sturdy polyethylene fenders and lockable battery compartments. Built with a torsion-type axle for a smooth, stable ride. Four 2000 lb. capacity swivel jacks allow easy leveling and setup. For additional battery theft protection, choose the Anti-Theft Battery frame option.



The trailer is primed with a polyamide epoxy primer for rust and corrosion protection, then finished with an acrylic urethane for durability.



Shown with optional Bosch camera system



TOWER USES

Made to customize, the 30 Foot Sensor Tower can be adapted for a wide variety of uses:

- ▶ Security equipment
- ▶ Communications relay station
- ▶ Communications station
- ▶ Satellite dish
- ▶ Weather measurement sensors
- ▶ Wi-Fi hotspot
- ▶ Remote camera
- ▶ Acoustic data collection
- ▶ Police traffic control
- ▶ Homeland security
- ▶ Military zones
- ▶ Traffic studies
- ▶ Phased-array radar

Learn more at www.solartechology.com



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SPTT-3000

Solar Powered 30 Foot Tower Trailer

Trailer

- Length Operating.....119 inches (302 cm)
- Length Traveling.....(without attachments) 168 inches (472 cm)
- Width.....79 inches (201 cm)
- Height Operating.....13.5 feet (minimum) up to 30 feet (maximum)-(914 cm)
- Height Traveling.....85 inches (216 cm)
- Ground Clearance13 inches (33 cm) minimum
- Weight2,700 lbs. (1,225 kg) approx. (maximum)
- Tower Rating.....Maximum load: 45 lbs. (21 kg)
- Maximum surface area4 square feet (3716 sq cm)
- Tower Rotation.....Up to 360°
- Coupler (Class II)2" (50 mm) ball or 3" (76 mm) pintle ring
- Axle/Suspension.....Torq-Flex - independent
- Winch.....1000 lb. capacity automatic break-type winch
- Cable.....1/4" stainless steel aircraft-type cable

Energy Source

- Operating Voltage.....12 volts DC (nominal)
- Battery Type6 volt heavy duty, deep cycle (GC-2)
- Number of Batteries.....Four (4) standard lead acid (flooded)
- Battery Bank Capacity520 amp hours
- Battery Status Indicator.....Displays full-charge, normal and, low battery condition
- Solar Array Construction.....Trailer-mounted solar panels in aluminum frame
- Solar Array Power Output.....Up to 660 watt solar array - can be tilted and rotated
- Solar Charge Controller.....Automatic, temperature compensated, MPPT (Maximum Power Point Tracking)

Truly Solar-Powered

Continuous, year-round, uninterrupted power source capable of providing a minimum of 1320 watt-hours per day of electrical power (nominal 105 amp hours per day at 12.5 volts DC)

PRE-CONFIGURED MODELS AVAILABLE



30' Camera Tower with Camera: AXIS Model M5525-E; other options available.



30' Light Tower with 4 or 8 50-watt LED Lamps

AVAILABLE OPTIONS

SOLAR ARRAY OPTIONS

- » 160 watt
- » 220 watt
- » 330 watt
- » 440 watt
- » 490 watt
- » 550 watt
- » 660 watt

Auxiliary Battery Charger

- » 45 amp, 120 volt AC
- » 55 amp, 120 volt AC
- » 90 amp, 120 volt AC

Battery Upgrade

- » Flooded, Gel Cell or AGM maintenance-free batteries may be added - up to a total of 12 batteries (1560 amp hour)

Battery Security Options

- » Anti-Theft Steel Battery Frame Bolted to Trailer
- » Vandal-Proof Battery Enclosures

Brakes

- » Electric Brakes

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