



*As Reliable as the Sun*

# Solar Powered 30' Tower Trailer SPTT-3000

## 30' TOWER ADVANTAGES

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 3000 lb. 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.

## 30' TOWER USES:

Made to customize, the 30 Foot 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



Shown with optional  
Bosch camera system



# Solar Powered 30 Foot Tower Trailer

## TRAILER

Length Operating .....	119 inches (302 cm)
Length Traveling .....	(without attachments) 202 inches (514 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 Clearance .....	13 inches (33 cm) minimum
Weight .....	2,500 lbs. (1134 kg) approx. (maximum)
Tower Rating.....	Maximum load: 45 lbs. (21 kg)
	Maximum surface area: 4 square feet (3716 sq cm)
Coupler (Class III) .....	2" (50 mm) ball or 2-1/2" (64 mm) pintle ring
Axle/Suspension .....	Torq-Flex - independent

## ENERGY SOURCE

Operating Voltage .....	12 volts DC (nominal)
Battery Type .....	6 volt heavy duty, deep cycle (GC-2)
Batteries .....	Four (4) standard lead acid (flooded); Option to upgrade to a total of up to twelve BCI-GC2 batteries for 1,560 amp-hr capacity
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 950 watt-hours per day of electrical power (nominal 75 amp hours per day at 12.5 volts DC)

## AVAILABLE OPTIONS

- Solar Array options – 160, 220, 330, 440, 490, 550 and 660 watts
- Auxiliary Battery Charger Upgrade:
  - 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
- Battery Security Options:
  - Anti-Theft Steel Battery Frame Bolted to Trailer
  - Vandal-Proof Battery Enclosures
- Electric Brakes



Folds compactly  
for transport



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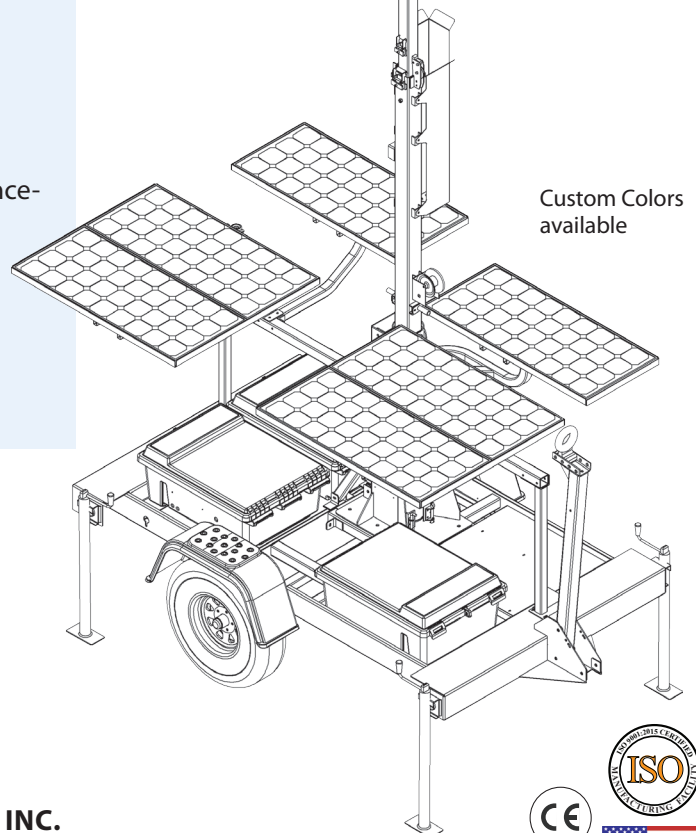
## PRE-CONFIGURED MODELS AVAILABLE:



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



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



Custom Colors  
available



Made in the USA

[www.solartechology.com](http://www.solartechology.com)