



As Reliable as the Sun

Solar Powered 8 Foot Sensor Trailer SPTT-0800

8 FOOT SENSOR ADVANTAGES

Designed for use in Intelligent Transportation System (ITS) applications, this versatile, maneuverable tower can be customized with a variety of sensors to meet your specific needs.

Standing 8 feet tall, this lightweight yet rugged tower can be deployed in confined spaces, and angled toward traffic to gather information specific to your ITS requirements.

ABOUT THE TRAILER

The heavy duty, all steel trailer frame can be towed to any location. Built with a torsion-type axle for a smooth, stable ride. Four 3000 lb. swivel jacks allow easy leveling and setup. Includes sturdy polyethylene fenders and lockable battery compartment. 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.

8 FOOT TOWER USES:

The 8 Foot Sensor Tower can be adapted for a wide variety of uses:

- ITS Traffic Management Solutions
 - Dynamic Merge
 - Incident Detection
 - Queue Warning
 - Travel Time Information
 - Variable Speed Limit
 - Vehicle Ingress Notification
- Weather measurement sensors
- Traffic studies
- Wi-Fi hotspot
- Acoustic data collection

CUSTOMIZATION

Choose a sensor to meet your ITS requirements:

- Doppler Radar
- Bluetooth
- Presence Detection Sensors
- Other requirements? Let us know.



SPTT-0800 shown with a Doppler Radar installed

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Solar Powered 8 Foot Sensor Trailer

TRAILER

Length Operating	79 inches (200 cm)
Length Traveling	121 inches (307 cm)
Width	56 inches (142 cm)
Height Operating	8 feet (244 cm)
Height Traveling	8 feet (244 cm)
Ground Clearance	13 inches (33 cm) minimum
Weight	1,300 lbs. (590 kg) approx. (maximum)
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)
Number of Batteries	Two (2) GC-2 batteries for 260 amp-hr capacity; Option for up to four batteries for 520 amp-hr capacity
Battery Status Indicator	Displays full-charge, normal and low battery conditions
Solar Array Construction	Trailer-mounted solar panels in aluminum frame
Solar Array Power Output ..	Up to 220 watt solar array
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 90 watt-hours to a maximum of 400 watt-hours per day of electrical power (nominal 25 amp hours per day at 12.5 volts DC).

OPTIONS AND UPGRADES

- Solar Array options: 50, 110, 160, or 220 watts
- Auxiliary Battery Charger Options:
 - 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 4 batteries
- Battery Security Options:
 - Anti-Theft Steel Battery Frame Bolted to Trailer
 - Vandal-Proof Battery Enclosures
- Electric Brakes

TOWER SENSOR OPTIONS

Customize the 8 Foot Sensor Tower to meet your specific needs. Options include:

- Doppler Radar
- Bluetooth
- Presence Detection Sensor
- Other requirements



Custom Colors available



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