



As Reliable as the Sun

Solar Powered 20 Foot Sensor Trailer SPTT 2000

20 FOOT SENSOR ADVANTAGES

This versatile, maneuverable tower is designed to be customized with a sensor to gather data in work zones for Intelligent Transportation System (ITS) applications.

Lightweight yet rugged, this tower can be deployed in confined spaces. The mast rises to 20 feet, allowing the sensor to be angled toward traffic to gather traffic volume and speed data.

ABOUT THE TRAILER:

Heavy duty, all steel trailer frame can be towed to any location. Includes sturdy polyethylene fenders and lockable battery compartments. Trailer includes Anti-Theft Battery frames to protect batteries. Built with a torsion-type axle for a smooth, stable ride. Four 3000 lb. swivel jacks allow easy leveling and setup.

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



20' TOWER USES:

Made to customize, the 20 Foot Sensor Tower can be adapted for a wide variety of uses:

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

Easy to use hand crank raises and lowers the mast. Shown with optional sensor.



www.solartechtechnology.com

Solar Powered 20 Foot Sensor Trailer

TRAILER

Length Operating	79 inches (200 cm)
Length Traveling.....	121 inches (307 cm)
Width	56 inches (142 cm)
Height Operating	8.5 feet (minimum) up to 20 feet (maximum)-(610 cm)
Height Traveling	8.5 feet (261 cm) without sensor
Ground Clearance	13 inches (33 cm) minimum
Weight	1,300 lbs. (600 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	Up to four GC2 batteries for 520 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 160 watt solar array. Can be tilted and rotated
Solar Charge Controller	Automatic, temperature compensated
Auxiliary Automatic	
Battery Charger	Built-in 45 amp battery charger
Battery Security.....	Anti-theft steel battery frame bolted to trailer

Truly solar-powered: Continuous, year-round, uninterrupted power source capable of providing a minimum of 300 watt-hours per day of electrical power (nominal 25 amp hours per day at 12.5 volts DC)

AVAILABLE OPTIONS

- Solar Array options -- 80 or 160 watts
- Auxiliary Battery Charger Upgrade -- 90 amp, 120 volt AC, 60 Hz
- Battery Upgrade: Flooded, Gel Cell or AGM maintenance-free batteries may be added - up to a total of 4 batteries
- Vandal-Proof Battery Enclosures
- Electric Brakes



20' Sensor Tower shown with optional Wavetronics SmartSensor V. Coiled wire and crank detail below.



Custom Colors available



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