

## Installation guide for SATST4950 M2M Solar Tracker w/ optional Hardwire



### Items included:

- SATST4950 Tracker
- Mounting cradle
- Wired power cable
- Activation Magnetic Pawn key

### Optional items:

- Magnetic Mounting cradle
- Wall Charger and Power cable w/DC jack

## Activation Process – \*\*\*MUST READ\*\*\*

1. The Solar Tracker can be POWERED ON with the provided activation magnetic pawn key, see below for placement. See Table 1 for LED indications.



*Magnetic key, Blue/Red LED*

Table 1: LED flash pattern w/ Activation Magnet

Action	Magnetic Key in position	LED Flash Pattern	
Turn Device ON	3 seconds or longer	3 Red, then when cellular connects: OK, 1 Blue	
Check Status	about 1 second	2 Red=OFF	2 Blue=ON

## **Charging of Solar Asset Tracker**

2. Ships with a minimal battery charge. To ensure uninterrupted operation when first deployed, the Asset Tracker should be charged a minimum of 7 hours. M2M offers charging service – inquire if interested.



*SATST4950 shown with optional wall charger and optional power cable w/DC jack*

## **Installation Location (RECOMMENDED)**

3. The SATST4950 can be installed as a standalone solar unit as well as in conjunction with the hardwire. The recommended install location is high on front wall of the trailer where tractor connects, clear line of sight to sun; 1 foot below top rail and 2-3 feet from roadside/right side of trailer. If using device on assets other than trailer (chassis, step deck, etc), use your discretion but similar principles apply.



## **Hard Wire Installation (OPTIONAL)**

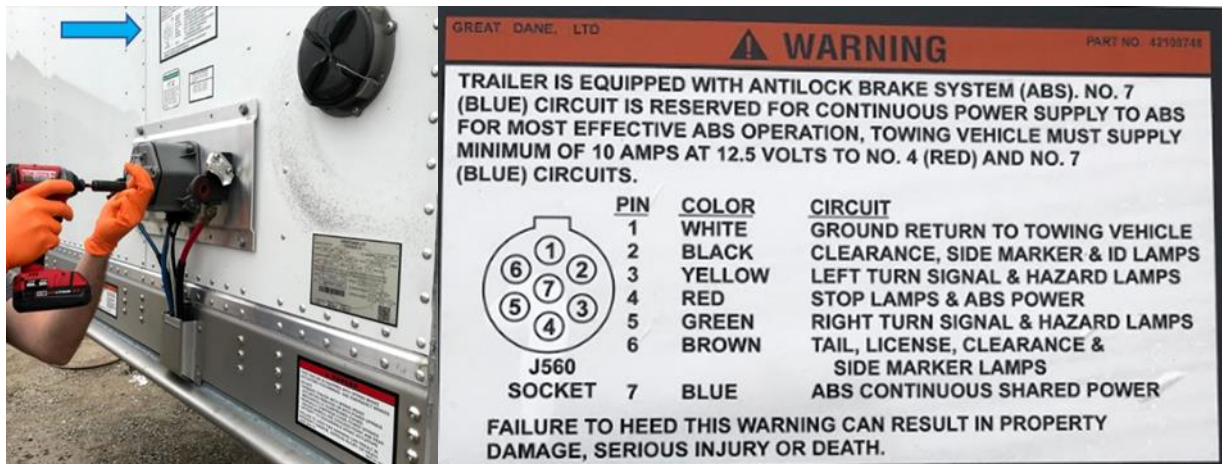
4. If using the optional hardwire install, see the chart below for the wiring diagram to connect to a power source – 2 wire install (red & black). If installing unit as hard wire, battery life dramatically extended between recharges. While asset and device have power going to tracker unit, tracker unit will NOT be pulling from battery power and will be recharging device battery.

Pin no.	Wire color	Function	Comments
1	Red	Ext power (DC 12V~33V)	for charging
2	Black	Ground	
3	Yellow	1-wire for temperature sensor	optional



*Connecting Power cable to Solar Tracker*

- MAKE SURE TO REFERENCE THE WIRING DIAGRAM ON THE FRONT OF THE TRAILER (or other asset), NEAR THE TRAILER CONNECTOR (SEE IMAGE BELOW). Diagram below is an **example** of the pin layout and **Wire Colors / Circuit** to use for install. This connector has markings on back to confirm blue for the blue wire. Confirm as each trailer has minor changes due to Make, Model, and Year. You are always going to be looking for your continuous power circuit. Need to confirm the wire/pin that has **+12V or higher** to properly power your asset tracker.



*Standard 7 way for reference*