



## TT603 Solar-Powered Asset Tracker with Cat-M/NB-IoT

### What is an Asset Tracker?

An asset tracker provides real-time asset / container tracking with data logging, GPS location, and data communication. Fleet managers have complete transparency of location, speed and battery level percentage. Rules, such as a low battery rule, can be set to send a notification to the fleet manager. Future capabilities include - tractor power detection, temperature monitoring, door sensors, and tire pressure monitoring.

#### ➤ Simple installation and troubleshooting

Install with 4 rivets, screws or bolts and turn it on and your device is already connected and sending data.

#### ➤ Dynamic Tracking

1 GPS fix per minute when in motion. You don't just know where your assets were, but where they are.

#### ➤ Rugged Design

IP67- international standard for protection against intrusion of solids, dust, contact and water. (5-7 year life)

#### ➤ Self-sustaining solar power

Solar cell and large backup battery designed for the real world like rainy seasons, freezing temperatures and blazing hot days.

#### ➤ LTE Cat M/NB-IoT with 2G Fallback

#### ➤ Expandable

Optional RS232/CAN connector allows future capabilities such as: tractor power detection, temperature monitoring, door sensor, tire pressure monitoring, and more.

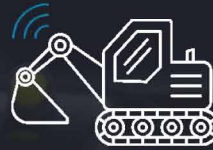
# TT603 Solar-Powered Asset Tracker with Cat-M/NB-IoT



Containers



Generators



Yellow Iron



Towing Trailers

## TT603 Specs

## Applications

<b>Dimensions</b>	10.31" x 3.46" x 1.18" (262mm x 88mm x 30mm)
<b>Weight</b>	1.19lb (0.54kg)
<b>Location</b>	GPS (multi-constellation) Assisted acquisition: 2s (via cloud) Acquisition Sensitivity: -160dBm (1*) Tracking Sensitivity: -167dBm (2*)
<b>Events</b>	Moving Stopped
<b>Internal Sensors</b>	9-axis IMU Battery level
<b>Sensor Sampling Interval</b>	Dynamic based on motion and power Up to every 1 min when moving
<b>Reporting Interval</b>	Dynamic based on motion and power Up to every 10 min when moving
<b>Battery life</b>	>3000 daily cycles >4 months without charging @ 12 report / day (3*)
<b>Global Cellular Connectivity</b>	4G (Cat M/NB-IoT) Global Bands 2G: 850,900,1800,1900 SIM: 2FF (inserted prior to IP testing)
<b>Operating Temperature</b>	-20°C to 70°C (4*)
<b>Housing</b>	Industrial grade Polycarbonate (PC) Crush Resistance IP67

<b>Security</b>	Secure boot TLS/SSL
<b>Connector</b>	Aux power in (6-24VDC) and tractor power detection 1-Wire technology (5*) RS-232 CAN H/L 1.2W power out @>-30°C
<b>Solar Charging</b>	1.5W
<b>Certifications</b>	FCC IC CE PTCRB RCM And applicable carriers
<b>Environmental</b>	RoHS Reach SAEJ1455 - Thermal Shock (6*) - Humidity (7*) - Mechanical Vibration - Mechanical Shock (Handling, Transit, Installation Harness) - Steady State Electrical (12V Systems, 24V Systems) - Conducted Transients - Electrostatic Discharge ISO16750 - Mechanical Shock - Salt Spray (corrosion test)

(1\*) (2\*) Based on GPS chipset specification.

(3\*) Battery life assumes the product is installed according to the provided installation instructions. Four months is based on stationary device using LTE Cat M network in open sky conditions; batteries degrade over time as a function of age and temperature.

(4\*) Extreme application temperature range of -40°C to 70°C available by special order.

(5\*) 1-Wire is a registered trademark of Maxim Integrated Products, Inc.

(6\*) (7\*) Inside operating temperature range.

For More Information, Contact Us:  
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## The Flex Solar Powered Asset Tracker.

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## Why do I need an Asset Tracker?

Knowing exactly when and how your equipment is being used, allows you to **stay on top of required and preventative maintenance** lowering your odds of having to deal with a malfunctioning piece of equipment.

Tracking your resources will give you a better picture of how materials are being used, **how much surplus** you have at any given time, and **what unnecessary resources that you can cut out.**

Asset tracking **increases productivity** by decreasing the amount of time spent looking for equipment, recovering from unexpected malfunctions, and **maximizing time used.**