

# TT600 Solar-Powered Asset Tracker with Cat-M

## Key Value Proposition

- » Simple Install
- » Dynamic Tracking – multiple messages per hour
- » 5-7 year life (1\*)

## Applications

- » Trailers
- » Containers
- » Construction equipment
- » Pumps
- » Other large unpowered assets

## Capabilities

- » Asset tracking
- » Asset utilization



## Solar powered asset tracker leveraging expertise from 5 Flex specialty design centers



### Industrial Goods

Flex is a top manufacturer of industrial goods



### Automotive

Flex is a Tier 1 Auto OEM supplier; supported SAE test design for the solar tracker



### Mobile

IAT BU engineering team has designed and developed millions of mobile devices for or at Tier 1 mobile OEMs



### Connectivity

Flex is a top manufacturer of cellular modules with strategic relationships with the top module makers and is capable of chip-on-board design



### Power

Flex Power designs power systems for data centers and consumer electronics; developed the custom all-temperature battery system



### Energy

Flex Energy is a leader in Solar Tracking systems; supported selection of the solar panel system

# TT600 Specs

## Dimensions

10.31" x 3.46" x 1.18" (262mm x 88mm x 30mm)

## Weight

1.17lb (0.53kg)

## Location

GPS (multi-constellation)  
Assisted acquisition: 2s (via cloud)  
Acquisition Sensitivity: -160dBm (1\*)  
Tracking Sensitivity: -167dBm (2\*)

## Events

Moving  
Stopped

## Internal Sensors

9-axis IMU  
Battery level

## Sensor Sampling Interval

Dynamic based on motion and power  
Up to every 1 min when moving

## Reporting Interval

Dynamic based on motion and power  
Up to every 10 min when moving

## Battery life

> 3000 daily cycles  
> 4 months without charging @ 12 report / day (3\*)

## Global Cellular Connectivity

4G (Cat M/NB-IoT) Global Bands  
2G: 850, 900, 1800, 1900  
SIM: 2FF (inserted prior to IP testing)

## Operating Temperature

-20°C to 70°C (4\*)

## Housing

Industrial grade Polycarbonate (PC)  
Crush Resistance  
IP67

## Security

Secure boot  
TLS/SSL

## Solar Charging

1.5W

## Certifications

FCC  
IC  
CE  
PTCRB  
RCM  
And applicable carriers

## Environmental

RoHS  
Reach  
SAEJ1455  
- Thermal Shock (5\*)  
- Humidity (6\*)  
- Mechanical Vibration  
- Mechanical Shock (Handling, Transit, Installation Harness)  
- 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\*) (6\*) Inside operating temperature range.

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