

EON SolarTrack

Waterproof Solar Power Asset & Trailer Tracker



LTE Cat-M1

Solar Charging

Up to 10 years

Motion Detection

Ruggedized Case

IP67 Waterproof

BLE 5.0

Wi-Fi Scanning

Geofences

Tamper Detection

EON SolarTrack is an ultra-low-power, solar-powered GPS tracking solution purpose-built for outdoor assets, utility trailers, construction equipment, and remote site monitoring. Leveraging high-efficiency solar charging, an industrial-grade battery, and LTE Cat-M1 connectivity, EON SolarTrack delivers long-lasting, maintenance-free tracking even in extreme field conditions.

With an IP67-rated enclosure, 5+ years battery backup (when solar is unavailable), and multi-constellation GNSS enhanced with Wi-Fi positioning, EON SolarTrack offers reliable, autonomous operation for both asset recovery and operational monitoring. It is designed for long deployment cycles, zero field servicing, and scalable integration into SMB and enterprise fleet platforms.



Container Tracking



Trailer Tracking



Asset Tracking

Dimensions

212(L) × 86(W) × 30(H) mm
8.35(L) × 3.39(W) × 1.18(H) inch

Weight

572g (20.2oz)

Battery

6 x ICR18500 lithium batteries,
3.7V,12000mAh

Standby Time

Battery Life 1,2 where the 1,2 are superscripts

Continuous Mode:

1 report/minute(2 Working hours per day): up to
70 days

Sleeping Mode:

1 report/hour: up to 4 months

1 report/day: up to 4 years

1 report/day (need to be solar charged regularly):
up to 10 years

Certificate

FCC, PTCRB



Waterproof

IP67

Operating Temperature

-20 °C~+70 °C (-4 °F~+158 °F)

Region

Global

Cellular	
LTE	Cat M1: LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85 Cat NB2: LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85
EGPRS	850/900/1800/1900 MHz

GNSS	
LTE	All-in-one multi-constellation GNSS Receiver
Constellation Support	GPS, BEIDOU, GLONASS, GALILEO, AGPS
Position Accuracy (m@CEP50)	Autonomous: <2.5m

Connectivity	
Bluetooth	2.4GHz Supports BLE 5.0 protocol for beacon and sensor applications
Wi-Fi	2.4GHz Wi-Fi scanning for enhanced positioning

Interfaces	
Charging Port	4-pin magnetic connector for charging
Internal Antennas	Cellular, GNSS, BLE, Wi-Fi
LED Indicators	GNSS, CEL, PWR

Software Features	
Alerts	Geofence, Low Battery, Tamper Detection, Temperature Monitoring
Stored Messages	Up to 10,000
Dynamic Profiles	Supports dynamic profiles that change device performance based on motion, network conditions, and more

***Note:**

1. The standby time is estimated under the condition of operating with LTE CAT M1/NB-IOT and the CSQ is greater than 15, working at a constant ambient temperature of 25°C, where GNSS signal is strong enough and under open sky.

2. The battery life estimation is based on LTE CAT M1/NB-IOT Connectivity and may be influenced by several factors such as network coverage, ambient temperature, sensors' setting, peripherals, installation location and orientation, etc.