



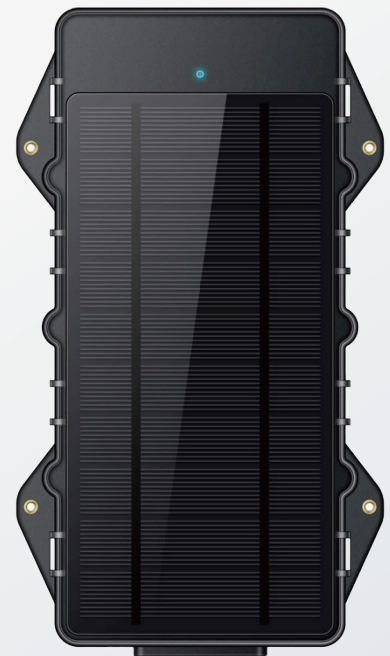
LTE Solar Powered GNSS Tracker

SOLAR TRACKER

PRODUCT DESCRIPTION

The Solar Tracker is a 4G solar-powered tracker designed for the management of construction vehicles and vessels. Featuring the solar panel, magnetic charge and IP67 waterproof rating this device is ideal for a variety of deployments that require long standby time and continued optimal performance.

LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases. In addition to these features multiple working modes various peripheral accessories and the suite of event-triggered alerts will make the Solar Tracker a valuable part of your fleet management strategy.



APPLICATIONS

- **Construction Machinery**
- **Vessel Tracking**
- **Asset & Logistics**

FEATURES

- **GNSS, BDS and LBS positioning**
- **LTE & GSM Network**
- **Solar & Magnetic Charging**
- **IP67 Dust & Water Resistance**
- **Multiple Alerts**
- **Multiple Working Modes**
- **Bluetooth Accessory Compatibility**
- **RFID Broadcast (Optional)**

TECHNICAL DATA

POSITIONING & LOCATION

Technology	GPS, LBS
Accuracy	<2.5m CEP
Tracking Sensitivity	-165dBm
Acquisition Sensitivity	-148dBm
TIFF (open sky)	Avg. hot start < 1sec; Avg. cold start <32sec

CELLULAR

Technology	LTE Cat 1, LTE Cat M1 & LTE Cat NB2, GSM
Frequency	LTE Cat M1 & NB2: B1/ B2 / B3/ B4 /B5 / B8 /B12 /B12 / B13 /B18 /B19 /B20 /B26 /B28 /B66 GSM: 850 / 900 /1800 / 1900 MHz

POWER

Battery	10.000mAh / 3.7V industrial-grade Li-Polymer battery (rechargeable)
Solar Power	SV /400mA (Standard Operating Voltage/ Current @STC) STC: Direct Illumination with 38,000lux halogen lamp on the test bench.
Magnetic Charger	5V / 2A
Working Modes	Mode 1: Timing Mode Mode 2: Intelligent Mode Mode 3: Power-saving Mode
Battery Life	10 days to 1 year

OPERATING ENVIRONMENT

Operating Temperature	-20°C up to +70°C
Operating Humidity	5% up to 95%, non-condensing
IP Rating	IP67

INTERFACE

LED Indication	Cellular (Green), Battery (Red)
SIM	Nano-SIM
Memory Capacity	1000 GPS Data Entries
Tamper Proof	Hall Effect Sensor
USB	4-Pin Magnetic Wire
GNSS Antenna	Internal
Bluetooth Antenna	Internal

FEATURE

Voice Monitoring Range	N/A
Sensors	Accelerometer, Buzzer, Hall Effect Sensor, NTC
Scenarios	Low Battery Alert, Tamper Alert, Sim Card Change Alert, Temperature & Humidity Alert,
Mount Method	Self Tapping Screws
Bluetooth	BLE 5.0
RFID	2.4GHz
Configuration Support	App, Tracksolid Pro, PC Tools, SMS
Certification	CE, FCC, PTCRB

PHYSICAL SPECIFICATIONS

Dimensions	200.0 x 115.0 x 25.0mm
Weight	423g

ORDER CODES

VERSIONEN

Solar Tracker

ORDER CODES

IOT-TR-CE-AT-4104
