



EG02

E-scooter GPS Tracker

Say goodbye to traditional e-scooter keys and meet the effective anti-theft EG02. As small as a cigarette lighter, the EG02 GPS tracker comes with a plug & play design and supports GPS & LBS real-time tracking. Through the app, you can easily lock and unlock your e-scooter remotely. An audio alarm will be triggered if unauthorized movement of the e-scooter is detected. The 9-90V wide working voltage enables EG02 to be applied to different e-scooter models in the market.



Vehicle Battery Protection

Optimized battery protection prevents vehicle batteries from being drained out or damaged.



Automatic wheel lock

In arming mode, the device locks the e-scooter automatically if abnormal moving is detected.



9-90V Operating Voltage

Wide operating voltage range is suitable for a huge variety of vehicles, including industrial equipment, scooters, golf carts, and more.



External Buzzer Support

In the event of too many parked e-scooters, you may need an external buzzer to find your scooter by sounding the buzzer.



Intelligent Theft Deterrence

Switch off electricity automatically to enter the arming status.



Plug and Play

Designed for e-scooter connection ports, no need to cut wires.



Keyless Start

Start the e-scooter through the mobile APP or SMS.



Multiple Alerts

Instant alerts for atypical events such as abnormal vibration, speeding, power-off geo-fence entry/exit, etc.

E-scooter Factory



E-scooter Safety



Three-wheeled EV Monitor



GNSS

Positioning system	GPS + LBS
Frequency	L1
No. of GPS channels	66
Positioning accuracy	<2,5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤2sec Avg. cold start ≤32sec

Cellular

Communication network	GSM
Frequency	850/900/1800/1900 MHz
GPRS	Class 12, TCP/IP
Phase error	RMSPE<5, PPE<20
Max output	GSM850/GSM900: 33±2dBm GSM1800/GSM1900: 30±3dBm
Max frequency error	±0.1ppm
Receive sensitivity	±Class II RBER2% (-102dBm)

Power

Battery	270mAh/3.7V Lithium-polymer battery
Input voltage	9-90VDC/8mA (36VDC)
Standby current	≤5mA (by battery)

Interface

Data storage	64Mb
SIM	Micro-SIM
Antenna	Built-in GPS antenna, GSM quad-band antenna

Physical specification

Dimensions	77.0 x 29.0 x 13.0mm
Weight	43g

Operating environment

Operating temperature	-20 °C to +70 °C
IP rating	IPX5