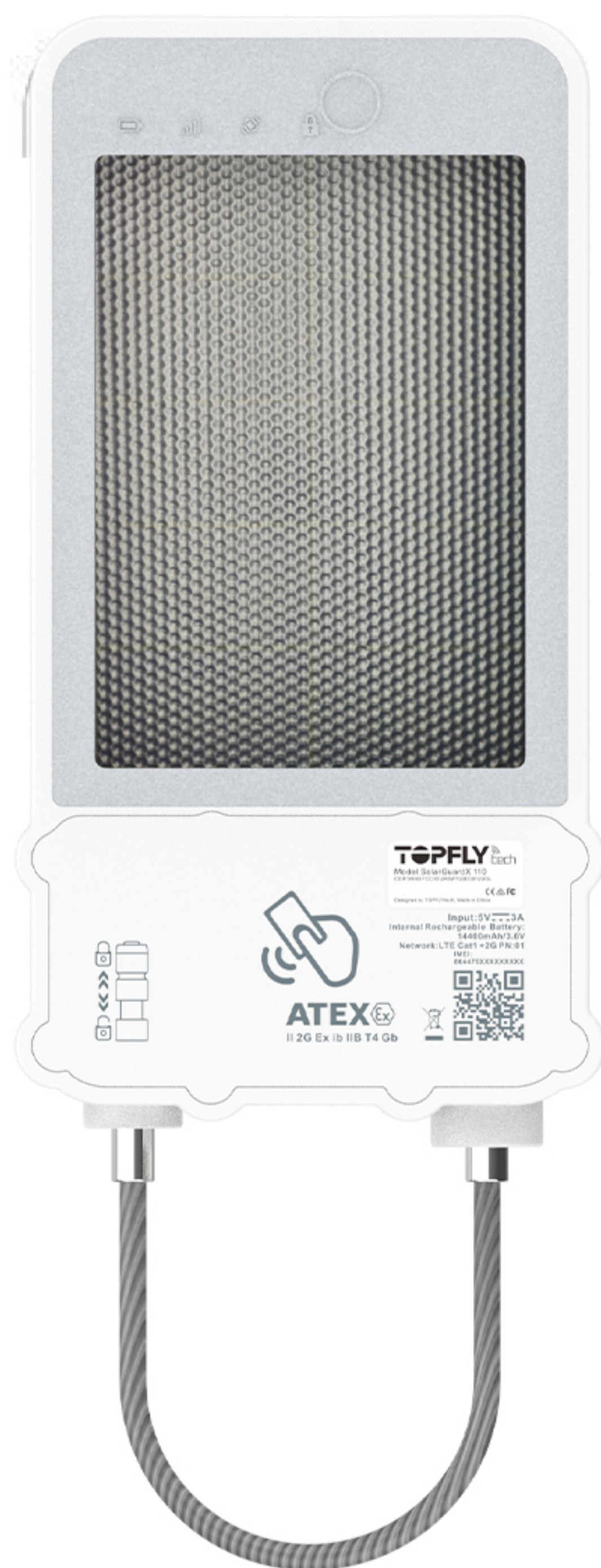


Solar Powered GPS Smart Lock

SolarGuardX 110 is an advanced tracker & lock for high value asset

SolarGuardX 110^{4G}

4G Cat-1/2G assets tracking lock for high value asset



-  Solar Panel
-  Unlock by RFID, BLE, OTA, SMS commands
-  Built-in Strong Magnet
-  Waterproof IP67
-  Firmware Over the Air
-  Motion Detection
-  Alarms for locking, unlocking, rope cutting and SIM cover removal
-  Super Long Battery Life
-  Indicator Lights and Buzzer
-  MQTT Support
-  BLE 5.1 Long Range
-  RFID
-  Built-in Geofence

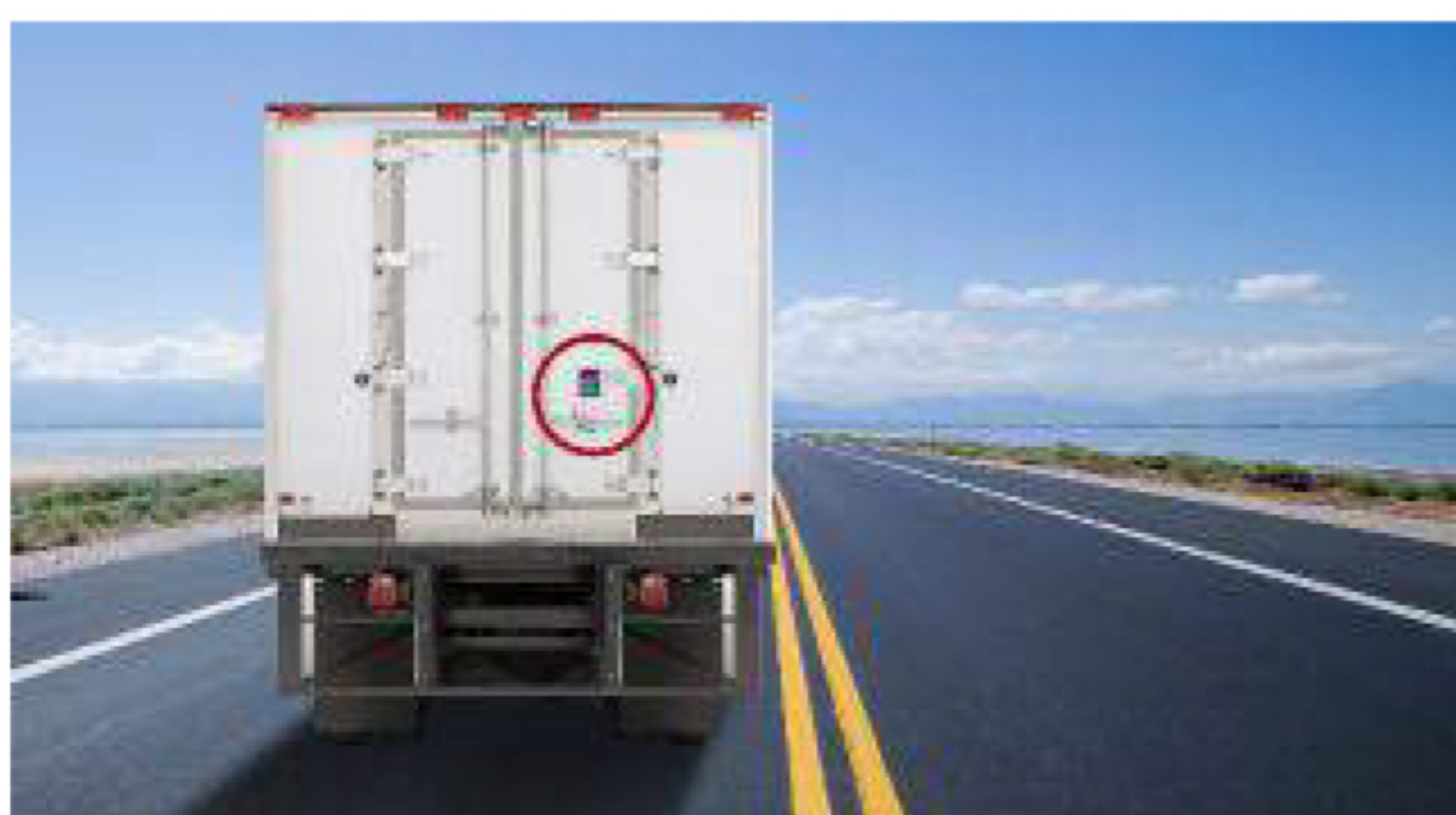
-  1050g (37oz)
-  207.5mm*110.2mm*48.1 mm (8.17" *4.39" *1.9") (without rope)
-  -25°C ~ +80°C (-13°F ~ 176°F)
-  Rechargeable Li-Polymer 14400mAh/ 3.6V

Certificates (planned):



*Please reach out to us if you need any certificates in particular

Fleet management



Container monitoring



Guards multiple doors



SolarGuardX 110

Network Specifications	
Operating Band	LTE FDD Cat 1: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/ B20/B25/B26/B28/B66 LTE TDD Cat 1: B34/B38/B39/B40/B41 GSM: 850/900/1800/1900 MHz
Data Transmission	LTE-FDD:Max.10Mbps (DL), Max.5Mbps (UL) LTE-TDD:Max.8.96Mbps(DL), Max.3.1Mbps (UL) GPRS: Max. 85.6Kbps (DL), Max. 85.6Kbps (UL)
GNSS Specifications	
GNSS Chipset	All-In-One GNSS Receiver
GNSS System	GPS + Glonass + Beidou + Galileo + QZSS
Receiver type	47 tracking / 47 acquisitions - channel GNSS receiver
Sensitivity	Acquisition: -147 dBm Reacquisition: -159 dBm
Horizontal Position Accuracy	Autonomous: < 1.5 m CEP
TTF @ -130 dBm with (without) EASY™	Cold Start: < 15s (30s) Warm Start: < 2s (25s) Hot Start: < 2s (2s)
Interfaces	
Charging Port	2 Pin 5V/DC
E-Lock Configuring Port	Type-C connector
Network, GNSS Antenna	Internal only
Open SIM Card Cover Alert	Support
Indicator LED	Battery, Network, GNSS, RFID
FOTA	Yes
Power on Button	1
Temperature Sensor	1 temperature sensor
BLE 5.1	Yes
General Specifications	
Waterproof	IP67
Dimensions	207.5mm*110.2mm*48.1mm(8.17" *4.39" *1.9")
Weight	1060g (37.4oz)
Battery	Rechargeable Li-Polymer 14400mAh/ 3.6V
Standby Time (Without solar charging, 2 hours active tracking per day)	10 minutes reporting: 402 Days 5 minutes reporting: 315 Days 1 minute reporting: 144 Days
Charging	2 PIN (Recommend using 5V 3A adaptor, 15 hours charging)
Operating Temperature	-25°C ~ +80°C (-13°F ~ 176°F)
Mounting	Built-in Magnet
Air Interface Protocol	
Transmit Protocol	TCP, UDP, MQTT, SMS
Data Security & Encryption Option	MD5/ AES256
BLE Accessory Support	Yes
Scheduled Timing/angle/distance Report	Report position and status at preset intervals
Geo-fence	Support up to 64 internal geo-fence regions
Alarms	Rope cut, Moving, Stop, Lock, Unlock
Industry Certifications (Planning)	
CE, RCM, IC, FCC, PTCRB, AT&T, US Cellular, T-Mobile, Verizon	