

Solar Powered GPS Smart Lock

Tracker & Lock for high value Asset

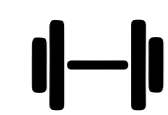



SolarGuardX 120

4G

PN: CB01

4G Cat-1 + 2G Asset Tracking Lock for high Value Asset
















-  | 535g (18.9 oz)
-  | 113.8 × 90 × 36.9 mm (4.48" × 3.54" × 1.45") (Without Rope)
-  | Rechargeable 5000 mAh / 3.7V
-  | -25°C ~ +80°C (-13°F ~ 176°F)

Certificates (Planned):



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

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



Fleet Management



Container Monitoring



Custom Cargo Security

SolarGuardX 120 PN:CB01

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 (2G): 850/900/1800/1900 MHz
Data Transmission	LTE-FDD: Max.10 Mbps (DL), Max.5 Mbps (UL) LTE-TDD: Max.8.96 Mbps (DL), Max.3.1 Mbps(UL) GPRS: Max. 85.6 Kbps (DL), Max. 85.6 Kbps(UL)
GNSS Specifications	
GNSS Chipset	All-In-One GNSS Receiver
Parallel GNSS	GPS + GlonassBeidou + 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: < 1.5s (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	113.8mm*90mm*36.9mm (4.48" × 3.54" × 1.45")
Weight	535g (18.9 oz)
Battery	Rechargeable Li-Polymer 5000 mAh / 3.7V
Standby Time (Without solar charging, 2 hours active tracking per day)	10 Minutes Reporting: 76 Days 5 Minutes Reporting: 56 Days 1 Minutes Reporting: 42 Days
Charging	2 PIN (Recommend using 5V 3A adaptor, 6 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, RoHS, NBTC, CITC, TDRA, IP67, ATEX, FCC, ANATEL	