



## SolarLock BSX100

### Electronic Lock (E-Lock) with GPS Tracking

Our SolarLock BSX100 Solar Rechargeable Battery Powered Tracker with electronic locking is the perfect choice to secure container and trailer cargo doors. Unlocks remotely via SMS or a platform command, or nearby via an RFID card, or your BLE enabled phone. Supports wireless sensors to monitor temperature, humidity and cargo door.





## Features

- Solar Panel Unlock by RFID, BLE, OTA, SMS commands
- Built-in Strong Magnet
- Waterproof IP67
- Exceptionally Long Battery Life
- BLE 5.1 for adding sensors such as temperature, humidity
- Long Range RFID
- Motion Detection Alerts - on the platform, mobile app, email and/or text message
- Alarms: Lock, Unlock, Rope Cut, SIM cover removed
- Firmware Updates Over the Air
- Indicator Lights and Buzzer
- MQTT Support
- Built-in Geofences
- Alerts via text or email when temperature is outside a safe range
- Alert Delivery – via the platform, mobile app, email and/or text message - whenever an asset begins to move



## **BSX100 Technical Specifications**

### **Operating Bands**

LTE FDD Cat M1

B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85

LTE FDD Cat NB2

B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85

GSM/EDGE: 850/900/1800/1900MHz

### **GNSS**

GNSS Chipset: MediaTek High Gain GNSS receiver

Parallel GNSS: GPS+Glonass or GPS+Beidou

Horizontal Position Accuracy (CEP): < 2.5 m

### **Interfaces**

Charging Port: 2 Pin 5V DC

Type C Port for Configuring

Internal Network & GNSS Antennae

Power Switch

Temperature Sensor

BLE 5.0



## **General Specifications**

Waterproof IP67 Enclosure

Dimensions 207.5mm x 110.2mm x 48.1 mm (8.17" x 4.39" x 1.9")  
without rope

Rope 350mm (standard)

Weight 1060g (37.4 oz)

Rechargeable Battery Li-Polymer 14400 mAh/ 3.6V

Standby Time (w/o Solar charging, movement tracking of 2 hrs/day):

10 min reporting interval: 400 days

5 min reporting interval: 315 days

1 minute reporting interval: 114 days

Charging: USB cable, solar panel

Operating Temperature Range 25°C ~ +80°C (-13°F ~ 176°F)

Built-in Mounting Magnet

## **Air Interface Protocol**

Transmit Protocol TCP, UDP, MQTT, SMS

Data Security & Encryption Option MD5/AES256