PS700

Intelligent Electronic Lock

SolarGuard PS700
Container Tracking Device

About Device

The SolarGuardX PS700 is a solar-powered, 4G LTE Cat-M1/NB-IoT GPS smart lock designed for high-value asset tracking. It combines real-time tracking, secure locking/unlocking (via RFID, BLE, or SMS), and advanced alerts (motion detection, rope-cutting) in a rugged, IP67-rated design. Ideal for fleet management, container monitoring, and door security, it offers ultra-long battery life and global connectivity.

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Key Feature

Solar-Powered:
Built-in solar panel and 14,400mAh Li-Polymer battery for long-term operation.

01

Secure Locking:
Unlock via RFID, BLE, or SMS with tamper-proof alarms for rope-cutting or unauthorized access.

02

Advanced Tracking:
Multi-GNSS support (GPS, Glonass, Beidou) and 4G LTE Cat-M1/NB-IoT for global coverage.

03

Rugged Design:
IP67 waterproof, operates in -25°C to +80°C, and includes a built-in magnet for easy mounting.

04

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Technical Feature

- **GNSS Sensitivity:** Acquisition: -149 dBm, Tracking: -167 dBm.

- **Data Transmission:** Supports TCP, UDP, MQTT, SMS with MD5/AES128 encryption.

- **Connectivity:** BLE 5.1, RFID, and FOTA for remote updates.

- **Alerts:** Motion detection, geo-fence breaches, and rope-cutting alarms.

- **Dimensions:** 207.5 x 110.2 x 48.1mm, Weight: 1050g.

- **Charging:** USB Type-C connector, compatible with 5V/1A adapters.

- **Certifications:** CE, RCM, IC, FCC, PTCRB (planned).

- **Geo-Fence:** Supports 64 internal geo-fence regions for precise area monitoring.

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Thank You!

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