SXK-PL10

Smart Solar Automatic Parking Lock

Impact-resistant · Waterproof · Auto-sensing · Remote & App Controlled

1. Product Overview



SXK-PL10 with App/Remote Control



SXK- PL10 solar automatic parking lock

The SXK-PL10 is a heavy-duty, solar-powered （optional) automatic parking lock engineered for cross-border export. It combines triple smart control — Bluetooth auto-sensing, long-range remote control and real-time App management — to deliver a truly "no need to get out of the car" parking experience that saves time and labour.

Built with thick-duty alloy steel, a durable all-copper motor and an IP67 waterproof, rust-proof body, the SXK-PL10 withstands a 5-ton rolling load, auto-recovers from 180° collision impacts with an instant alarm, and keeps your space permanently reserved day and night.

Ideal for residential communities, shared parking, commercial lots, industrial parks and EV charging stations — with a group-control option managing up to 999 parking spaces from a single controller.

2. Key Features

Five core strengths, engineered for outdoor parking management.



Triple control modes — Bluetooth sensing / remote / App



5-ton load capacity, heavy-duty alloy steel



180° auto-recovery anti-collision with instant alarm



Durable all-copper motor



IP67 waterproof & rust-proof body



Group Control System

- One-key control of up to 999 parking spaces
- Ideal for small & medium enterprise parking lots
- Centralised management, minimal manpower
- Optional sensors, sensor remote, remote, App & group controller

- **Smart auto-sensing —** detects an approaching vehicle and lowers automatically — no remote needed for daily use.
- **180° anti-collision alarm —** bi-directional impact triggers an audible beep alarm; the arm auto-resets after the external force is removed.
- **Long-range remote & instant App —** up to 30 m instant connection and sensing, fast and reliable; no need to buy multiple remotes.
- **Solar + battery hybrid —** solar version (with rechargeable battery) — one day of sunlight powers about ten days of use; rechargeable version lasts ~6 months per charge; dry-battery version ~8–10 months.
- **All-weather durability —** IP67 waterproof & rust-proof coating, works in rain and humid coastal environments.

3. Technical Specifications

Parameter	Specification
Model	SXK-PL10
Product Type	Solar-powered (option) automatic parking / space lock
Control Modes	Bluetooth auto-sensing · Long-range RF remote · Mobile App (triple control)
Load Capacity	≥ 5 tons (rolling load)
Drive / Motor	6V DC all-copper motor
Power Supply Options	Solar panel + rechargeable battery (6V 7Ah) · Rechargeable battery · Dry battery (4×D alkaline) · External DC
Standby Current	< 1 mA
Operating Temperature	-40 °C ~ +85 °C
Ingress Protection	IP67 (waterproof & rust-proof)
Dimensions (L × W × H)	400 × 478 × 88 mm
Gross Weight	7.5 kg
Arm Raising / Lowering Time	< 5 s / < 4 s
Arm Rise Height	approx. 390–400 mm
Sensing / Remote Distance	30–50 m (sensing) · instant connection within 1–30 m (App)
Service Life	≥ 5 years
Group Control	One-key management of up to 999 spaces (optional)

4. Application Scenarios

The SXK-PL10 secures one parking space at a time, in any environment where a vehicle must be protected from being occupied by others.

Residential Communities

Private & visitor parking in apartment complexes and gated communities; prevents space theft and disputes.

Shared / Reservation Parking

Space management for shared parking and time-based reservation services; auto-sensing opens for booked users.

Commercial Parking Lots

Malls, hotels, hospitals and paid lots — keeps paid spaces reserved for members and VIPs.

Industrial Parks & Factories

Dedicated parking for staff, visitors and logistics vehicles; group control covers whole parking zones.

Office Buildings

Executive and employee parking allocation; App-based management with audit records.

EV Charging Stations

Reserves charging bays for charging customers, preventing ICE (non-EV) vehicles from occupying the stall.

5. Packaging & Order Information

- **Packaging Dimensions —** 460 × 460× 90 mm (export carton)
- **Packing Weight —** approx. 7.5 kg / 1 set
- **Options —** Solar version · Rechargeable-battery version · Dry-battery version · +App / group-control bundles
- **Lead Time —** 48 h dispatch for stock models





(sensor is optional)



Four types of batteries

Dry battery



Endurance of about 6–8 months, easy to replace, no need for charging

Storage battery



Endurance of about 6 months, supports cyclic charging, cost-effective

Lithium battery



Endurance of about 8 months, small size, light weight, and high number of charge-discharge cycles

Solar storage battery



Automatically recharges when there is light, suitable for long-term outdoor use, no need for frequent chargin

Three control methods

Remote control



effective range within 30 meters, suitable for short-distance operation

Sensor control



automatically lowers when a vehicle approaches and rises when the vehicle leaves, eliminating the risk of forgetting to raise it after departure

Mobile APP



Scan the QR code with your mobile phone to download and install the APP, click the Bluetooth icon to complete the connection, and then you can normally operate the lifting of the parking lock

Group control



one-to-many

Control multiple parkinglocks through the group control remote control, up to 999





Remote rise/fall

Use ordinary remote control to control lifting support up to 30 remote controls



Sensor rise/fall

Use automatic indction remote control to control lifting



Mobile APP rise/fall

Use mobile APP remote control to control lifting



one-to-many

Control multiple parkinglocks through the group control remote con-trol, up to 999