

My Park Solar

Automatic Parking Lock

- Rechargeable Battery
- Solar Panel

Installation Manual



GRITAL GROUP AUTOMATIC SYSTEMS

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■ GENERAL

The series of My Park parking lock developed by our company is featured by nice appearance, novel structure, easy control, strong function and high security and reliability etc. The parking lock can effectively avoid the misusing or occupation of the parking lot and is a good assistant for parking lot managements of top-grade residential areas, shopping centers, hotels, offices and airports etc. My Park Solar is simple to install and easy to use. It allows you to protect and access your parking space all by remote control. With the touch of your remote control lower your automatic parking lock to lay flat, allowing you to drive your vehicle into your parking space.

As you leave your parking space, touch your remote control, and your parking barrier will automatically rise up to prevent anyone else for using your parking spot.

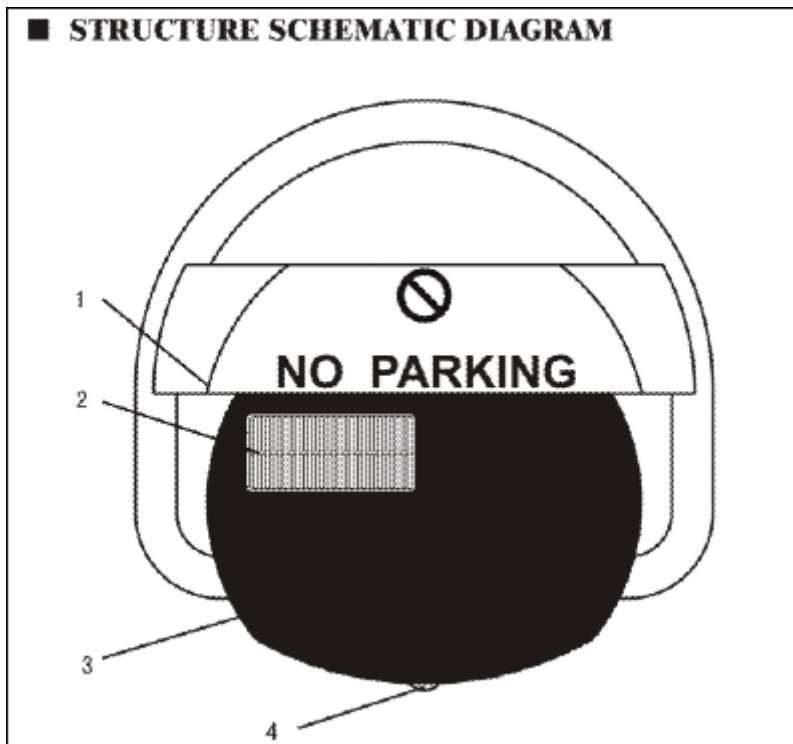
Your parking barrier is powered by a rechargeable battery which is DC 6V. It will last for about 1000 uses, or about 3 months continuous use. It comes with a recharging power pack.

Solar Panel. It has also assembled Solar panel 130 x 160 mm for recharging the battery easily.

Safety 180° two ways arm protection. When you push or hit the arm (from both sides) it will not be damaged. The alarm will sound for 5 seconds and arm will return to it's original position.

Supplied with 3 concrete galvanized screws to be fitted to concrete.

If you need to remove your packing lock, you simply remove the expansion bolts with standard handyman tools. You can then re-install at another location.



Structure Schematic Diagram

No Parking

- | | |
|----------------------|-----------------------|
| 1、Rocker Assembly | 3、Upper Cover |
| 2、Solar Energy Panel | 4、Power warning light |

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■ TECHNICAL PARAMETERS

NAME	Automatic Parking Lock with Solar Panel
ITEM	My Park Solar
RATED VOLTAGE	DC6V
WORKING CURRENT	3.5A
RUNNING TIME OF RISES OR FALLS	5 sec
AFTER RISING ALTITUDE	420mm
AFTER DROPPING ALTITUDE	75mm
REMOTE CONTROLLED DISTANCE	≤15m
ENVIRONMENT TEMPERATURE	-20°C ~ +55°C
SIZE OF SOLAR ENERGY PANEL	130×60×4.3 mm
DIMENSIONS	460×460×75H mm / 460×320×420H mm
WEIGHT	8.50 kg
FUNCTION	<ul style="list-style-type: none"> • Pressure resistance • Self - locking • Manual control • Waterproof Sealing • Power cut-off on resistance • Power shortage indication • Alarming and resetting on external force • Theft protection

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■ FUNCTIONAL FEATURES INTRODUCTION

1、 Pressure Resistance:

The parking lock can endure a rolling force of 500 kg under the falling status without being damaged.

2、 Self - locking:

When the parking lock is at lifted or lowered status, no one else can make permanent changing on the status except the user.

3、 Sealing

The IP protection level is IP 65, which can fully prevent dust from entering and avoid damages caused by water washing.

4、 Manual control

If the battery is short of power or out of service, manual control can be made by pulling/pressing the rocking arm of the parking lock, so that the battery can be conveniently taken out for recharging, replacement or maintenance.

5、 Power Cut-off on Resistance

The power shall be automatically switched off on external forces unaffordable in the lifting of the parking lock to protect the electrical motor from being damaged.

6、 Power Shortage Indication

When the power is too short to start the parking lock, the indication lamp on the parking lock will flicker for three times to remind the user of recharging the battery in time.

7、 Alarming and Resetting on External Force

For these series parking lock, if the rocking arm is forced to be lowered when lifting, with the action of the external force, the front/back angle of the rocking arm will be changed, the parking lock will alarm to remind the external force applier to remove external force or remind the managerial staff to make treatment. The rocking arm will reset automatically after 5~7 seconds.

8、 Theft Protection

The position of the foundation for parking lock and ground installation will be protected by a large external cover. The cover can only be opened by the user with the key to make theft protection.

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■ INSTALLATION

1、 Installation Principle

A. Installation Position

The vehicle shall not touch the parking lock when going in and out of the parking space. The parking lock is suggested to be installed in the middle of entrance of parking space.

B. Installation Site

The parking lock is required to be installed on level and dry cement ground.

2、 Installation Method

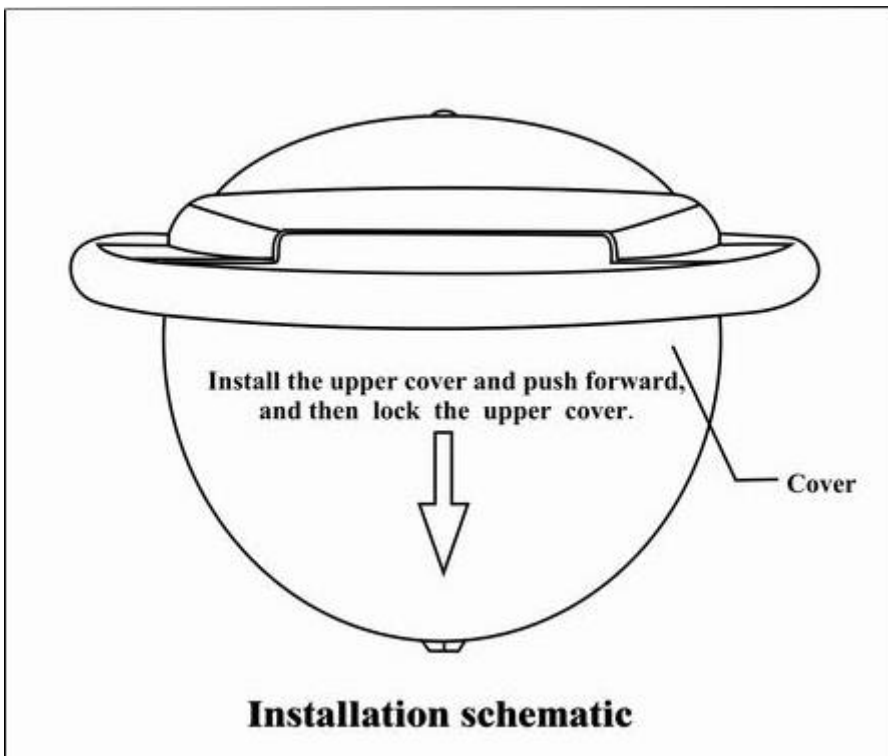
A. Lift the rocking arm manually with hands, open the lock with key. Open the upper cover to install the lock.

B. Drill three holes (12mm of diameter and 50mm of depth) and install M8 expansion bolts on the ground according to the locations of three installation holes on the parking lock foundation.

C. Cover three foundation spacers on the expansion bolts, and then cover parking lock foundation, install and tighten the bolts to finish installation.

D. Before using, first insert the plug which the color is corresponding to the solar panel lead wire into the battery pins (red for positive electrode and blue for negative electrode). Then set the battery on level position. Insert the plug into the socket of the parking lock, sort up the wires.

E. Install the upper cover. Keep the upper and lower fixed blocks joggling (hold the back of upper cover to push forward as indicated in the schematic). Then lock the upper cover.



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■ BATTERY ALARM INSTRUCTION

- 1、 The battery shall be recharged before using the parking lock. The recharging time shall be controlled within 10 hours. The indicate light will turn green from red if the battery is fully charged.
- 2、 During the application, if the terminal voltage of the battery is lower than 6.2V (the working speed of the parking lock is lower than usual). Recharge the battery in case that the parking lock can't work normally.
- 3、 Do not try to disassemble the battery to avoid any danger; do not clean the battery with chemical water; if the battery shell is broken and sculpture acid touches the skin, rinse immediately with clean water.

■ APPLICATION INSTRUCTION

- 1、 Press the remote button to lift or lower the parking lock rocker. Power-off protection will be made if the rocker is blocked to prevent the electrical motor from being damaged.
- 2、 If the remote is out of service or the battery storage is low, lifting/lowering of the parking lock can be made with manual.

■ REPAIRING AND MAINTENNACE

The power shortage indication lamp is out; the parking lock can't work properly when pressing the button.

- A. Inspect whether the power plug is properly connected.
- B. Inspect whether there's any abnormal noise in the electrical motor.
- C. Inspect whether the remote is short of power (The indication lamp is out).
- D. Inspect whether there's any distortion of the shape of parking lock.

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■ PACKING LIST

<i>S/N</i>	<i>NAME</i>	<i>My Park Solar – Automatic parking Lock</i>
		QUANTITY
1	Parking lock	1 PC
2	Charger	1 PC
3	Remote control	2 PCS
4	Key	2 PCS
5	Battery	1 PC
6	Expansion Steel Bolt	3 PCs
7	Foundation Spacer	3 PCS
8	Operation Instruction	1 PC

