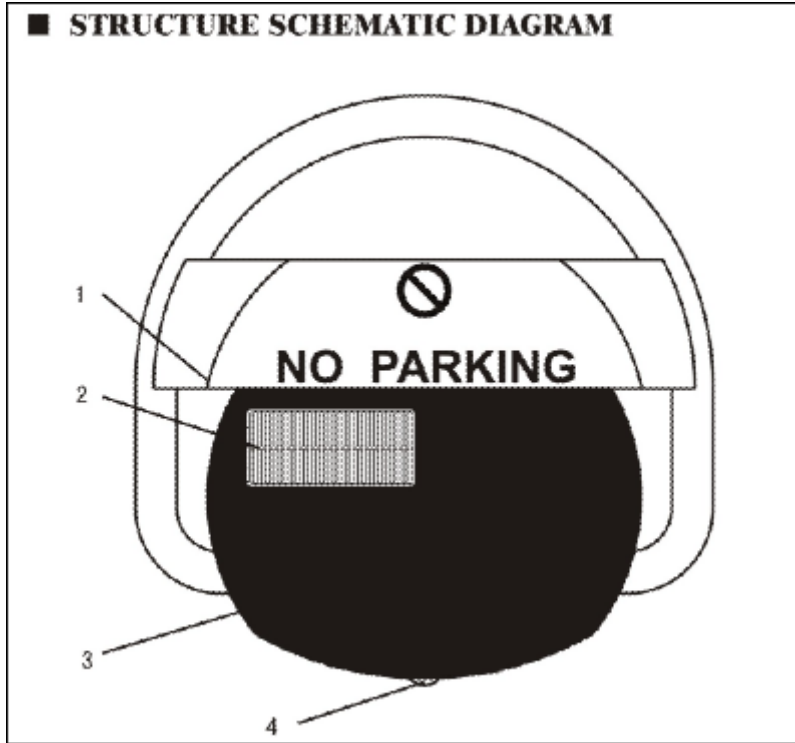


Solar Powered Parking Protector PP 52 SL
Operation and Installation Instruction



■ GENERAL



Structure Schematic Diagram

- 1.Rocker Assembly 3.Upper Cover
2.Solar Energy Panel 4.Light

■ TECHNICAL DATA

PRODUCT DESCRIPTION	Solar Powered Remote Control Parking Protector
NAME	PP 52SL
RATED VOLTAGE	DC6V
WORKING CURRENT	3.5A
OPENING SPEED	5~6 s
RAISED HEIGHT	530mm
LOWERED HEIGHT	80mm
MAXIMUM DISTANCE REMOTE CONTROL	≤10m
ENVIRONMENT TEMPERATURE	-20°C~+55°C
DIMENSIONS	580×560×80mm
WEIGHT	12Kg

■ FEATURES

1. Load Resistance:
The parking protector can endure a rolling force of 300kg when closed without being damaged.
2. Locking:
Self locking in the open and closed positions
3. Waterproof
The waterproof protection level is IP65, which prevents damage from dust and water.
4. Battery Removal
If the battery power is low the arm can be moved manually to access the battery for recharging or maintenance.
5. Safety sensing
If the rocker arm is accidentally raised while under the vehicle the power is automatically switched off to prevent damage
6. Low battery power indicator
When the battery power is low the indicator light flashes, the battery should be removed and recharged or tested for a fault condition.
7. Forced activation of the arm
If the rocker arm is forced it will not damage any components. An alarm will sound when this happens and after 5 minutes the arm will reset automatically.
8. Theft Protection
The fasteners securing the parking protector to the ground are not visible and are under the upper cover. The cover can only be opened by the user with the key provided.

■ INSTALLATION

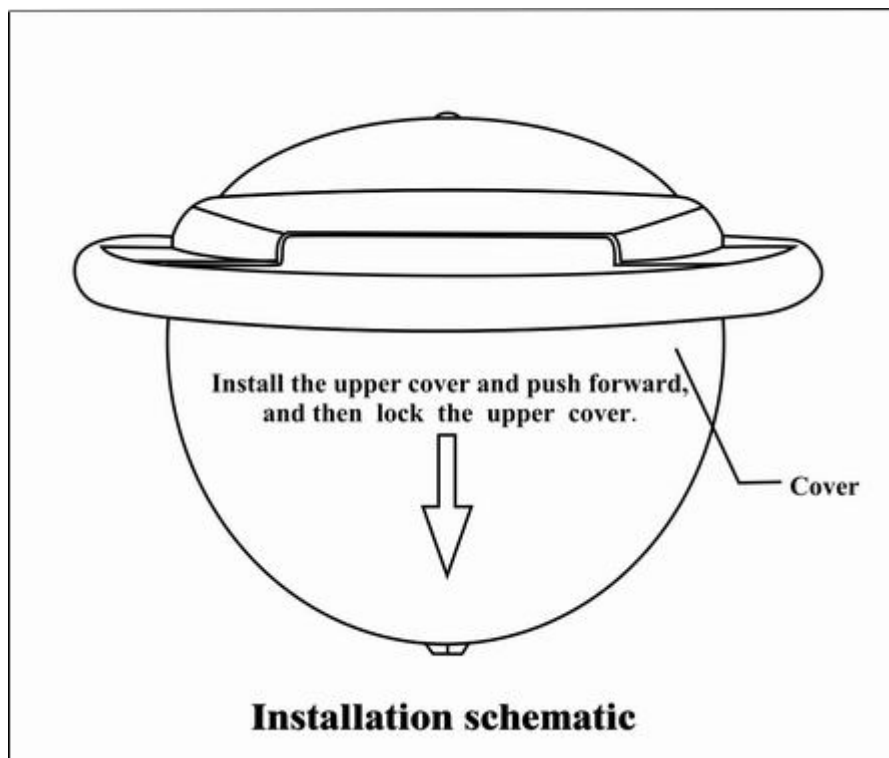
1. Installation Position

The vehicle must not touch the parking protector when going in and out of the parking space. The parking protector should be installed in the centre of the parking bay.

The parking protector must be installed on a flat level concrete surface.

2. Installation Method

- A. Lift the arm manually by hand, open the lock with key.
- B. Drill three holes at least 50 mm deep and install expansion bolts into the ground according to the locations of three installation holes on the parking lock foundation.
- C. Install parking protector and secure the bolts
- D. Before using, first insert the plug from the solar panel lead wire into the battery pins **IMPORTANT** (red for positive electrode and blue for negative electrode). Insert the plug into the socket of the parking lock, and make sure that the wires are secure and clear of the cover.
- E. Install the upper cover, hold the back of the upper cover and push forward as indicated in the schematic to position the lock over the catch. Then lock the upper cover.



■ BATTERY ALARM INSTRUCTION

1. The battery needs to be charged before using the parking lock. The charging time needed will be at least 10 hours. The light will turn from red to green if the battery is fully charged. Alternatively charge the battery before taking the unit to site.
2. During operation, if the terminal voltage of the battery is lower than 6.2V you will notice that the speed of the parking lock is lower than usual. You will need to recharge the battery or replace with a fully charged one.
3. Do not try to disassemble the battery, do not clean the battery with chemicals; if the battery shell is broken and sulphuric acid touches the skin, rinse immediately with water.

■ APPLICATION INSTRUCTION

1. Press the remote button to lift or lower the parking protector rocker. If the travel of the rocker arm is blocked the power will switch off to prevent damage..
2. If the remote is not working or remote battery is low, lifting and lowering of the parking protector can be made manually.

■ REPAIRING AND MAINTENANCE

If the power indicator lamp on the parking protector is off; the parking lock will not work when pressing the button on the remote.

- A. Check that the power plug is properly connected.
- B. Is there any abnormal noise in the electrical motor.
- C. Check that the indicator light on the remote is on, if not the remote battery needs changing.
- D. Check for damage to the parking protector, is the arm bent, the casing damaged, the lock forced?.

■ PACKING LIST

S/ N	NAME	QUANTITY
		PP52 SL
1	Parking lock	1PC
2	Charger	1PC
3	Remote control	2PCS
4	Key	2PCS
5	Battery	1PC
6	Expansion Steel Bolt	3PCs
7	Foundation Spacer	3PCS
8	Operation Instruction	1PC

