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Highlight: Solar Parking Boom Barrier Gate, Parking Boom Barrier Gate

Product Name:	New Energy Solar Powered Vehicle Car Parking Barrier Gate	Model Number:	SA-AK01
Advertisement Barrier Gate:	Stainless Steel	OEM/ODM:	Supported
Warranty:	1 Years	Standard Accessories::	Standard Accessories

Solar Powered Parking Boom Barrier Gate for New Energy Parking Lot Access Control

The boom barrier gate system is a channel entrance and exit management equipment specially used to restrict the movement of motor vehicles on the road. Boom barrier gate is now widely used in highway toll stations, parking lots, residential communities, and entrances of enterprises and institutions to manage the entry and exit of vehicles. The electric traffic barrier gate can realize the lifting and lowering pole through remote control alone, or it can be automatically managed through the

parking lot management system (i.e. IC card swiping management system). According to the use place of the barrier gate, its gate poles can be divided into straight poles, 90-degree curved poles, 180-degree folding poles and fences.

Menu	Function	Windows	Scope	Remarks
F-00	Lifting speed	60	10-100	The larger the value, the faster the brake lifting speed.
F-01	drop speed	60	10-100	The larger the value, the faster the drop off speed.
F-02	brake lift deceleration position	70	45-80	The angle at which the brake starts to decelerate, unit: degree
F-03	brake deceleration position	45	10-60	The angle at which the brake starts to decelerate, unit: degree
F-04	Brake lift acceleration time	30	0-255	When lifting the brake, the time from 0 to the speed of F-00 lifting the brake, unit: 0.01 seconds
F-05	drop acceleration time	30	0-255	When the brake is off, the time from 0 to the speed of F-01 when the brake is off, unit: 0.01 seconds
F-06	brake lift end speed	10	1-100	Brake lift in place speed
F-07	closing speed	20	1-100	brake in-position speed
F-08	Horizontal position adjustment	6	1-255	Adjust the horizontal position of the gate lever
F-09	vertical position adjustment	6	1-255	Fine-tuning the vertical position of the gate lever
F-10	No ground sense automatic closing time	0	0-255	Time for automatic brake off when no vehicle passes, unit: second
F-11	Anti-smash	0	0-1	1: Enable the anti-smashing function 0: Disable the anti-smashing function
F-12	Passing delay time	2	0-255	Passing delay and closing the gate, unit: 0.1 seconds
F-13	Power-on self-learning speed	40	0-80	Find the upper and lower limit at this speed
F-14	Remote control learning	0	0-60	learn remote control
F-15	Rebound Sensitivity	10	1-40	Blocked response time, unit: 0.05 seconds
F-16	Rebound strength	10	1-40	The higher the value, the stronger the force
F-17	Motor type/rotation direction	0	0-3	Motor polarity and gate rotation direction
F-18	Locking power	6	0-15	Dangerous, use with caution! The higher the number, the higher the locking current
F-19	ground sense count	0	0-10	Default misplacement count
F-20	automatic testing	0	0-255	Automatic test interval, can be used for aging, 0 is normal work
F-21	reset	0	0-255	5: Clear remote control 10: Restore factory settings

F-22	Software version	No default values	No scope	
F-23	photosensitive threshold	150	0-200	When the light sensitivity value of the current illumination is greater than the threshold
F-24	Delay on	10	0-255	Photosensitive delay light on, unit: second
F-25	Delay off	250	0-255	Photosensitive delay light off, unit: second
F-26	photosensitivity	No default values	No scope	Photosensitive value under current illumination
F-27	Gate lift priority	2	0-3	In brake lift priority mode, open priority
F-28	Low speed running angle of drop gate	30	0-45	The starting angle of the last segment of the low speed zone
F-29	Relay output mode	0	0-5	For different relay applications
F-30	Windproof opening angle	0	0-45	Windproof treatment for advertising barriers
F-31	Anti-rust time interval	0	0-255	Anti-rust time interval, unit: hour
F-32	Anti-rust opening angle	0	0-45	Opening angle when anti-rust
F-33	Antifreeze temperature threshold	0	-40-0	Start antifreeze temperature, unit: Celsius
F-34	Antifreeze opening angle	0	0-45	Opening angle when antifreeze
F-35	Antifreeze time interval	0	0-255	Antifreeze time interval, unit: minutes
F-36	current ambient temperature	No default values	No scope	The current temperature of the controller
F-37	rebound angle	0	0-90	Aging test, the angle of testing mechanical properties
F-38	Low speed running angle of brake lift	90	45-100	The starting angle of low-speed operation during brake lift
F-39	set baud rate	1	0-1	0:9600 1:19200
F-40	set address	0	0-255	Set controller address
F-41	Lifting and reversing time	80	10-255	Buffer time from gate lift to gate drop
F-42	Turn off time	50	10-255	Buffer time from gate drop to lift
F-43		0	0-255	Lock the brake for a period of time after it is fully opened, unit: second
F-44	Open position lock time	0	0-255	Lock the brake for a period of time after closing in place, unit: second
F-45	Closing position lock time	50	10-255	Time from receiving stop command to complete stop, unit: 0.01 seconds
F-46	stop buffer time	10	0-45	Turn off the ground sense detection after closing to the set angle, unit: degree
F-47	Close the angle of the sense of the ground Remote control to enter fleet mode	0	0-1	The remote control opens the gate and directly enters the fleet mode

F-48	Number of retry closings after manually lifting the lever	20	0-255	The number of attempts to close the gate after being artificially lifted
F-49	Find the upper and lower limit mode	0	0-2	0: Find the upper and lower limit positions 1: Only find the upper limit position 2: Only find the lower limit position
F-50	Manually learn the upper and lower limits	No default values	No scope	Manually learn the limits of the upper and lower directions
F-51	Manual learning upper limit	No default values	No scope	Only learn the upper limit in manual mode
F-52	save/load parameters	No default values	0-255	5: Load parameters 10: Save parameters
F-53	Buzzer beeping frequency when ground sense is valid	5	0-20	0: Buzzer does not beep, 1-20 buzzer beeping frequency.
F-54	Ground sense signal stabilization time	15	1-255	The elapsed time from the detection of the ground sense signal to the controller confirming that the ground sense signal is valid, unit: 0.01 seconds
F-55	Earth sense signal valid time	4	1-20	The controller starts timing after confirming that the ground sense signal is valid, and stops timing after the ground sense signal is invalid. The time interval between them must be greater than the "ground sense signal valid time" before the controller considers it a valid ground sense signal, unit: 0.1 Second
F-56	Opening signal stabilization time	15	1-255	The time elapsed from the detection of the opening signal to the controller confirming that the opening signal is valid, unit: 0.01 seconds
F-57	Manually learn the lower limit	No default values	No scope	Manually learn the lower limit
F-58	reverse lock	2	0-20	During the opening process, if the abnormal reverse rotation of the gate is detected, it will cause locking. 0: No detection, 1-20: The controller detects that the motor has reversed the specified number of turns and then locks the gate.
F-59	Rebound failure angle in case of resistance	10	0-90	The rebound function will fail when the barrier is blocked after the gate has dropped to the set angle.

Features

1. No external power supply required, environmentally friendly photovoltaic new energy
2. No wiring required, fixed then installed and debugged directly
3. 6 pcs 10W photovoltaic solar panels, 5 hours of sunlight can fully charge the battery
4. Full load battery storage, the boom barrier can be used 5,000 times even without sunshine.
5. 20KA lightning protection switch, effectively avoid lightning strikes

6. 24V voltage stabilization design to avoid abnormal lifting and lowering of the gate due to high or low voltage.

7. Adjustable lifting and landing speed in 2~6 seconds

8. The longest straight arm can be made up to 6M

9. Comes with 2 pcs barrier gate remote controls, with a remote control distance of 10~50 meters.

10. Applicable places: Places where it is not convenient to get electricity, plateau, mountain, grassland, culvert, expressway, temporary crossing and so on.

11. The control system can be upgraded to Blue tooth/WIFI/4G Internet of Things, and can remotely monitor the charging and release status of the gate, and the operating status of the gate.

12. Note: The solar parking boom barrier needs to be installed in an area with sufficient sunlight and an unobstructed scene to ensure that the solar panels on the barrier can generate electricity normally.

DC Brushness Barrier Controller Command List:

Product Name	New energy barrier (solar energy)
Model Number	ZT-12N
Size	380*390*1070mm
Packing size	460*390*1120mm
Drive power	6 photovoltaic panels sunshine/three groups 24V
Arm Length	less 6m straight arm 4 seconds; 4.5m fence arm 5s
Straight Arm size	80*45mm
Using time	Full load can be used for 5,000 times
Color	Black
Battery storage time	Fully charged in 5 hours
Chassis material	Cold rolled steel 2.0 thick high temperature paint
Arm material	Straight arm/fence arm aluminum alloy
Remote Control Frequency	433mhz
Remote Control Distance	10-15m
Weight	65kg
Motor	DC brushless
Controller	DC24
Speed	2-6s adjustable

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Boom Barrier Gate Performance Characteristics

1. Special rotating structure, no gears, no belt rotation, no maintenance required, stable use and longer life.

2. The specially designed balance structure enables the gate lever to start slowly, run quickly and stop slowly.

3. Eliminates jitter caused by gate rod operation.

4. The gate rod operates permanently at 90 degrees to eliminate accidents caused by malfunction and 360-degree operation.

5. Specially designed low-speed aluminum shell motor and integrated gearbox design, low noise and fast heat dissipation.

6. The driving mechanism is designed with an intelligent overheating protection system, which controls the temperature rise of the moto under frequent use so that the motor is not easily burned out.

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Traffic Boom Barrier Gate

1. Ordinary AC movement

1. Integrated movement structure, small size and light weight.

2. Integrated gear and turbine two-stage reduction structure.

3. It adopts four-stage AC motor, which generates little heat and can be used frequently.

4. Power outage with manual crank lever.

5. The reducer and motor are painted dark gray as a whole.

6. The motor and reducer are designed to be flangeless and have low noise.

7. The reducer box has no flange design, no separate structure processing, high precision and fast speed.

8. The four-link intermediate arm is made of high-strength cast aluminum and is lightweight.

9. The movement is wall-mounted and is easy to assemble and disassemble.

10. Using multiple thin wires with spring-balanced design, it has a long life and is not easy to break.

2. Chassis

1. Humanized appearance line design, simple and elegant, beautiful and bright.

2. The box body is formed by bending and welding of high-strength steel plates, which is strong and durable.

3. The chassis adopts a coherent design from top to bottom, which is beautiful and durable.

4. The box body and door panel are of separate structure, which facilitates color matching.

5. The surface treatment of the box is automotive paint process, and the surface weather resistance can reach 10 years.

3. Ordinary AC motor control system

1. Can be connected to the parking lot charging system.

2. Long-distance remote control.

3. Highly integrated, ultra-stable control board.

4. Built-in ground-sensing anti-smash interface.

5. It has the function of delayed rod drop.

6. Optional wireless key box.

7. An additional constant temperature device can be added.

8. Multiple lifting and landing speed options.