

# PAB-SL-8

## 8m Long Arm Barrier

**Dashou®**  
Parking System Expert

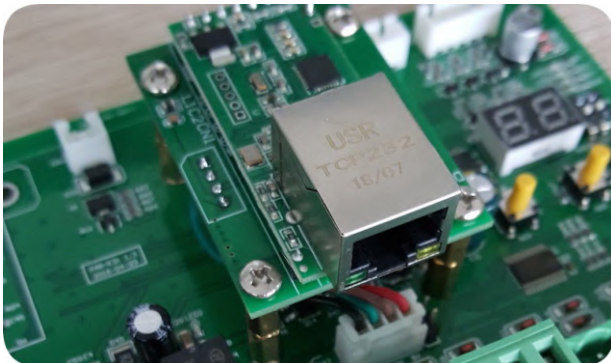


**10 Million MCBF  
Brushless DC Motor**

**100% Duty Cycle  
7\*24 Hrs. Work**

**8m Long Arm  
High Wind Resistance**

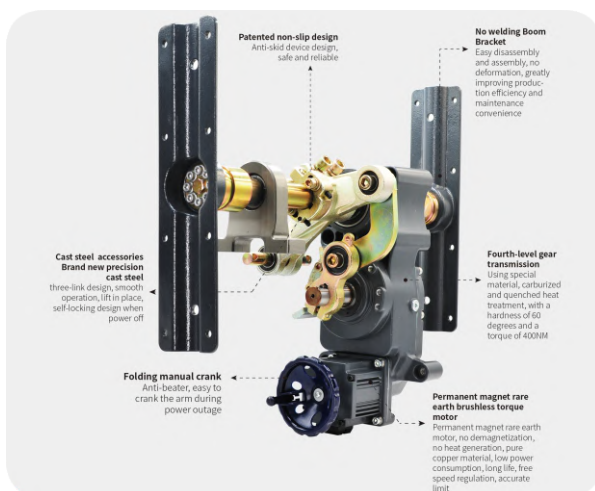
PAB-SL-8 Super-Long arm barrier with 8m arm is the right choice for super wide lane at railway, railway-road mixed traffic control crossings and port docks etc. It solves the technical problems of insufficient strength, bending and deformation of long arms, and poor wind resistance. It adopts free-maintenance high-power brushless DC motor and PWM variable frequency controller board. Opening/closing time is 9~16s adjustable. Incredible 10 million MCBF makes the barrier always works well with long life span. Its boom direction is quickly exchangeable at site without replacing any parts.



### TCP/IP Interface for Easy Integration

The barrier provides optional TCP/IP RJ45 port, which can integrate the barrier with your own system conveniently, so you can control and monitor the barrier by your own system.

\*Dashou Ethernet module should be installed in barrier controller, and communication protocol will be provided by Dashou



### 10 million cycles MCBF Free-maintenance Brushless DC Motor

Free-maintenance brushless DC24V motor provides 10 million cycles MCBF to ensure long life span of the barrier; Max.250W low consumption makes the barrier environment friendly but outputs strong torque

## Automatically Check Status and Report Error

Barrier system will automatically check its operation status and show errors code on its LED tube if an error occurred. This helps you quickly find out problem and find solution. 100,000-line encoder signal transmission feedback control, high-speed computing speed of milliseconds for easy control



## Boom Auto-Reverse On Obstacle

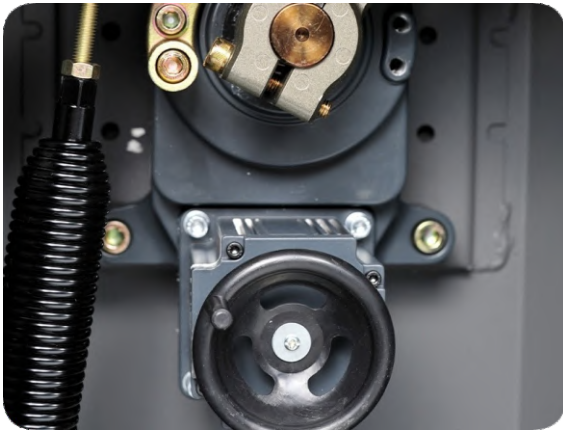
While moving down, boom will automatically reverse immediately once it is obstructed by vehicle or pedestrian, which protects the vehicle or person. The sensitivity is adjustable.



## Backup Solar Panel or Lead-acid Cell

DC motor barrier can be powered by solar panel or lead-acid cell for back up power supply. Especially solar power is environment friendly which is good for earth.

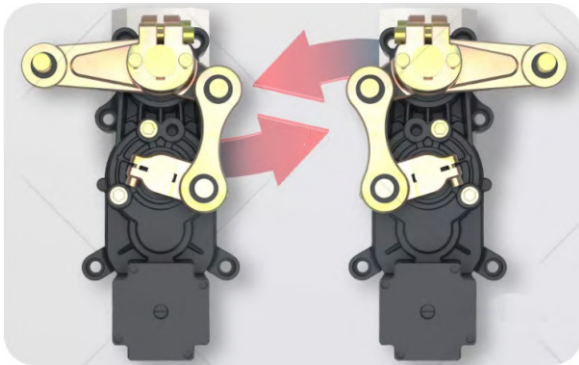




### Manually Control In Case of Power Failure

If power supply is off, you can manually open/close the barrier gate by the black lever. Also boom can be manually locked in any position between horizontal and vertical by this level.

Warning: Not allowed to use the function when power on, may hurt your hand and damage the motor.



### Boom Direction Is Exchangeable Without Replacing Any Parts

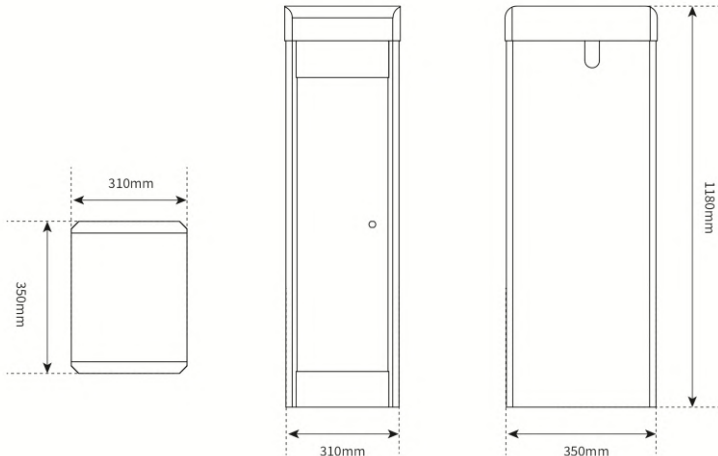
In the past you have to keep stock for barriers with different boom direction as different sites may require different boom direction. But now boom arm direction can be exchanged easily at site without replacing any parts

### More Features

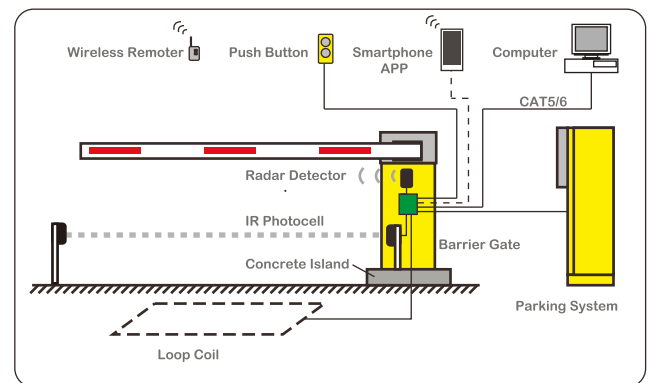
1. 9~16s speed is adjustable on controller(Speed should be compatible with arm length)
2. Quite smooth moving with 8m straight arm
3. Variable frequency controller automatically detects and optimizes boom moving, ensures smooth moving without shake
4. Barrier decelerates in the end of opening and closing to avoid shaking
5. Simplified design, easy installation and maintenance reduces your labor cost
6. Boom automatically open up fully in case of power failure (Optional)
7. Mechanical self-locking the boom, can not lift up the boom by hand
8. Safety for vehicle--- Anti-hit by Loop Detector (Optional)
9. Safety for vehicle & pedestrian— Anti-hit by IR photocell (Optional)
10. Safety for vehicle & pedestrian— Anti-hit by "Opening Priority"
11. Automatically close in given time (Programmable)
12. Automatically close or open by loop detector (Optional)
13. Enable or disable "Always-open mode" on remote (Optional)
14. Count opening & closing times totally, or count opening or closing times only
15. Fire linkage signal input function
16. Loop detector normally open and normally closed function
17. IO port single key cycle up and down function
18. Anti-condensation in cold climate



# PAB-SL-8 8m Super Long Arm Barrier



## Application



## Technical Parameter

|                      |  |
|----------------------|--|
| Opening/closing time | 9~16 Sec. adjustable                           |
| Boom                 | 8mtr. carbon fiber round arm 99mm diameter     |
| Boom                 | 8mtr. Aluminum alloy arm                       |
| Boom Direction       | Leftward / rightward exchangeable              |
| Power Supply         | AC100~240V, 50/60Hz, Max.0.5A                  |
| Motor                | 250W brushless DC24V motor                     |
| Duty Cycle           | 100% duty cycle                                |
| MCBF                 | 10 Million Cycles (Mean Cycles Before Failure) |
| Max. frequency       | 15,000 operation cycles per day                |
| Controller           | PWM variable frequency servo controller board  |

|                         |                              |
|-------------------------|------------------------------|
| Communication Interface | RS-485 & TCP/IP RJ45         |
| Wireless Remote         | Two Remoters, distance>20m   |
| Housing Material        | 2mm cold-roller sheet        |
| Housing Painting        | Powder coating last 10 years |
| Protection Rating       | IP 54                        |
| G.W / N.W               | 60/58KG                      |
| Package Dimension       | 1200×380×350mm               |
| Dimension               | 1180×350×310mm (H*W*D)       |
| Operating Temperature   | -35°C~70°C                   |
| Operating Humidity      | 10% ~ 95%                    |

## Accessories



PWM variable frequency servo controller board



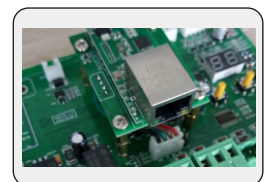
250W DC 24V Brushless Motor



Remoter: transmitter, distance>20m



Auto-open Module in case of power failure



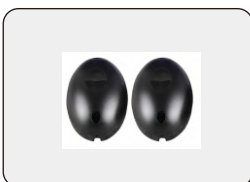
Ethernet Module  
Make your system control our barrier



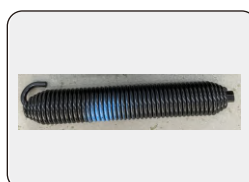
Ground Induction Coil



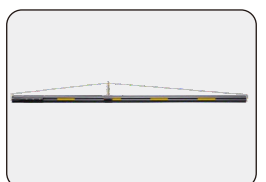
Loop Detector



Photocell



5.5mm Balance Spring



Carbon fiber round arm