

# PAB-SE2 Economical Parking Barrier Gate

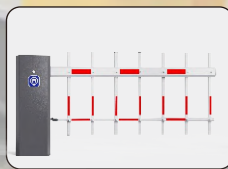
**Dashou®**  
Parking System Expert



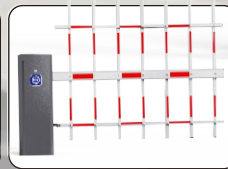
90 Degree Folding



180 Degree Folding



Single-fence Arm

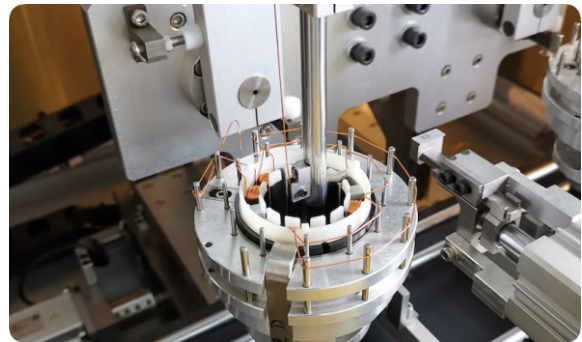


Double-fence Arm

PAB-SE2 Economical series boom barrier adopts free-maintenance brushless DC motor and PWM variable frequency controller. Opening/closing time is 1.5~6s adjustable. Incredible 5 million MCBF makes the barrier always works well with long life span. Its boom direction is quickly exchangeable boom type (straight/folding/fence) can be changed at site without replacing any parts. Telescopic straight arm is also available which help you reduce shipping cost

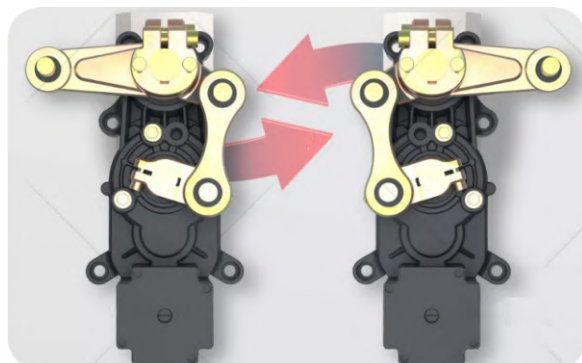
## 5 million cycles MCBF Free-maintenance Brushless DC Motor

Free-maintenance brushless DC24V motor provides 5 million cycles MCBF to ensure long life span of the barrier; Max.120W low consumption makes the barrier environment friendly but outputs strong torque



## 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



Leftward

Rightward

## 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.



## Boom Swing-off & Auto Reset Protects Boom and Vehicle \*

Boom will swing off 90 degree if it was hit by a vehicle, this is to protect both vehicle and boom. It is optional. You can easily add swing-off module to a barrier which is without swing-off.

Auto reset is also optional. When a vehicle hits the boom, the boom will swing off firstly, and then open up automatically and finally close down automatically.

\* Swing off is default feature, while Auto-Reset is optional feature.



## 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.



## 1.5~3s or 3~6s Speed Adjustable

The barrier gate adopts digital frequency servo controller, which allows the stepless speed control of the drive motor under the condition of no loss of output torque, and the opening/closing time can be respectively adjustable between 1.5~3s, or 3~6s.



## 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.

\* Backup solar or lead-acid cell is optional feature.



## LED Illumination Makes Boom Visible In The Night \*

LED Illumination bar can be installed onto boom to make boom visible in the night, so that drivers can view barrier and boom clearly, this improve safety of both barrier and vehicle. Also LED decorates barrier gate.

\* LED illumination on the boom is optional.

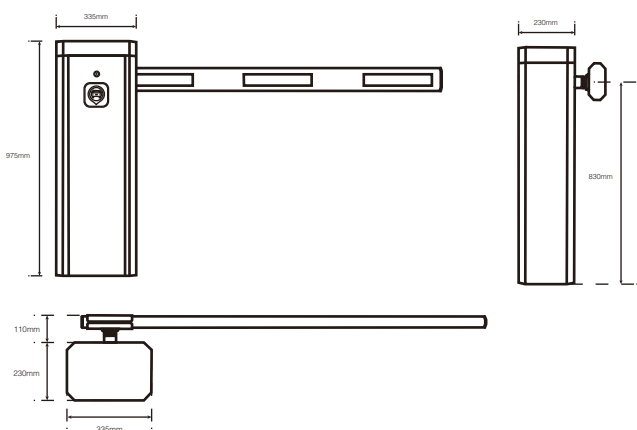


## More Features

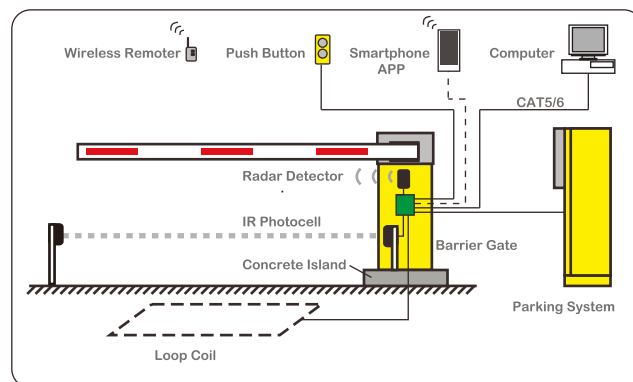
1. 1.5~3s or 3~6 sec. speed adjustable
2. Smooth moving with Max. 6m straight boom
3. Barrier decelerates in the end of opening and closing to avoid shaking
4. Variable frequency controller automatically detects and optimizes boom moving, ensures smooth moving without shake
5. Barrier decelerates in the end of opening and closing to avoid shaking
6. Different types of boom can be changed without replacing any parts
7. Boom automatically open up fully in case of power failure \* (Optional)
8. Mechanical self-locking the boom, can not lift up the boom by hand
7. Alarm when boom swing-off \* (Optional)
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 opened and normally closed function
17. IO port single key cycle up and down function
18. Anti-condensation in cold climate



## Dimension (mm)



## Application



## Technical Parameter

<b>Opening/closing time</b>	1.5~3s, or 3~6 sec. adjustable
<b>Boom</b>	Max. 6mtr. 80/100×45mm aluminum alloy Octagonal boom
<b>Boom</b>	Max. 6m telescopic straight arm with LED is optional
<b>Boom Direction</b>	Leftward / rightward exchangeable
<b>Power Supply</b>	AC100~265V, 50/60Hz
<b>Motor</b>	120W DC24V brushless motor
<b>Duty Cycle</b>	Less than 100% duty cycle
<b>MCBF</b>	5 Million Cycles (Mean Cycle Before Failure)
<b>Controller</b>	PWM variable frequency servo controller board
<b>Wireless Remote</b>	Two Remoters, distance>20m

<b>Communication Interface</b>	RS 485
<b>Spring</b>	1~2 pcs. spring according to boom length
<b>Housing Material</b>	1.5mm cold-rolled steel
<b>Housing Painting</b>	Powder coating last 10 years
<b>Protection Rating</b>	IP 54
<b>G.W / N.W</b>	48/46KG
<b>Package Dimension</b>	1040×380×380mm
<b>Dimension</b>	975×335×230mm (H*W*D)
<b>Operating Temperature</b>	-30°C~70°C
<b>Operating Humidity</b>	10% ~ 95%

## Accessories



PWM variable frequency servo controller board



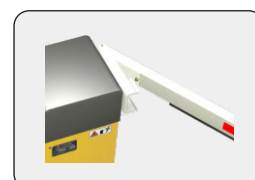
120W Brushless DC24V Servo Motor



Remotes & Receiver  
Distance>20m



Auto-open Module \*  
(Optional accessory)



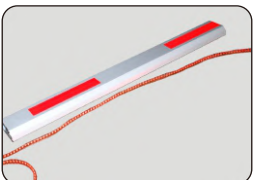
Swing off Module



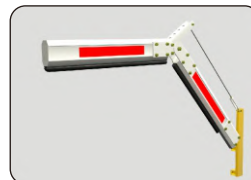
Boom Arm Bracket \*  
(Optional accessory)



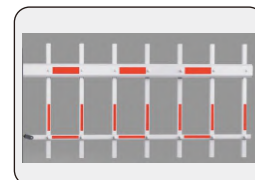
45×80/100mm Aluminum Alloy Octagonal Straight Boom Arm



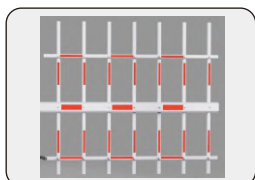
45×80/100mm Aluminum Alloy Octagonal Straight Boom Arm with LED



Max. 4.5m 90/180 Degree Articulated Arm



Max. 4.5m Single-fence boom arm



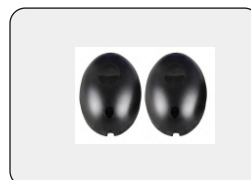
Max. 4m double-fence \* boom arm



Ground Induction Coil \*  
(Optional accessory)



Loop Detector \*  
(Optional accessory)



Photocell \*  
(Optional accessory)



Arm Holder \*  
(Optional accessory)