

PAB-BD-SHSN-06

0.6s High Speed ETC Barrier

Dashou[®]
Parking System Expert



10 Million MTBF
Brushless DC Motor



100% Duty Cycle
7*24 Hrs. Work



Swing Off & Alarm



Color optional

0.6 Sec. toll gate ETC barrier **PAB-BD-SHSN-06**, adopts free-maintenance DC brushless torque motor and PWM variable frequency servo controller, super fast but smooth moving. Incredible 10 million MTBF and 100% duty cycle makes it continuously work at 7*24 hrs with long life span. Open/close time 0.6sec., Max.3m carbon fabric boom, boom direction is exchangeable. Boom can automatically reposition in case of an impact. It also can be integrated with the third party system via TCP/IP. It is the right choice for highway toll gate ETC cashless lane. See video at https://youtu.be/ufn_m6XWyLo

Smartphone Control Your Barrier (Optional)

The barrier gate can be connected to your smartphone via WIFI, so you can open and close barrier gate on your smartphone. You can also program the barrier on your smartphone such as setting opening/closing time.

*Dashou App should be installed in your smartphone, and Dashou WIFI module should be installed in barrier controller.



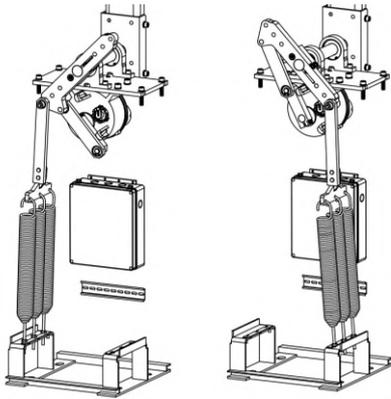
TCP/IP RJ45 Port for Easy Integration (Optional)

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

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

**Free-maintenance DC Brushless Servo Motor
10 million cycles MTBF & 100% duty cycle**

Free-maintenance DC24V brushless servo torque motor ensures 10 million cycles MTBF long life span; 100% duty cycle makes barrier continuously work at 24*7 hours; Max. 175W super low consumption makes barrier environment friendly but outputs super strong torque



Leftward

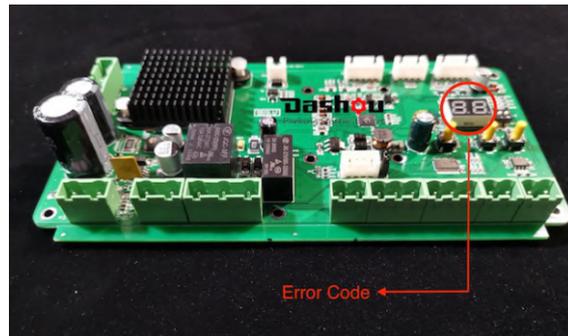
Rightward

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

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.



Manually Control In Case of Power Failure

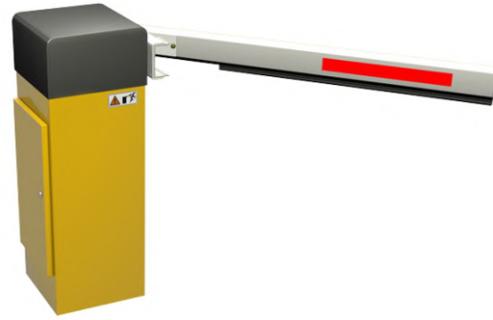
If power supply is off, you can manually open/close the barrier gate by the black lever. Also boom can be manually locked in any position between horizontal and vertical by this level.

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



Boom Swing-off 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.



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.



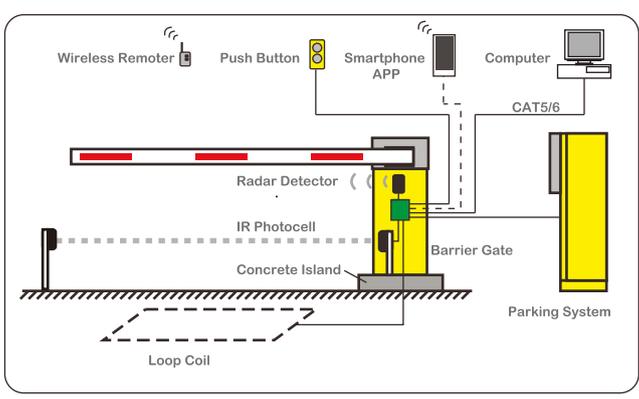
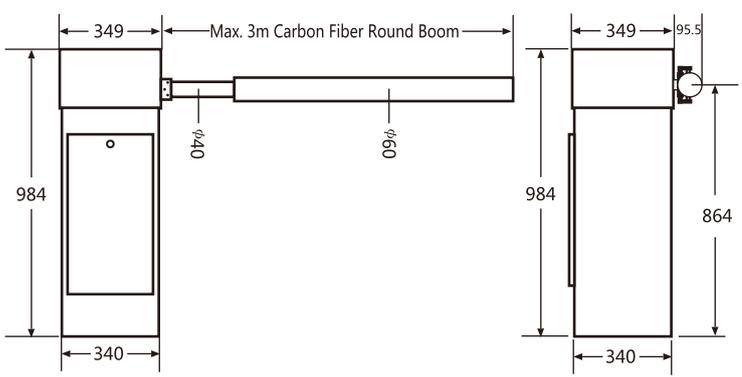
More Features

1. 0.6 sec. opening/closing time
2. Quite smooth moving with Max. 3m carbon fabric boom
3. Variable frequency controller automatically detects and optimizes boom moving, ensures smooth moving without shake
4. Simplified design, easy installation and maintenance reduces your labor cost
5. Boom automatically open up fully in case of power failure (Optional)
6. Boom will be automatically locked in case of power failure (Optional; Can not work together with function 5 at the same time)

7. Alarm when boom swing-off (Optional)
8. Safety of Vehicle--- Anti-hit by Loop Detector (Optional)
9. Safety of Vehicle--- Anti-hit by IR photocell (Optional)
10. Safety of Vehicle--- Anti-hit by "Opening Priority"
11. Closing Priority
12. Automatically close in given time (Programmable)
13. Automatically close or open by loop detector (Optional)
14. Heavy-duty and simple-design housing
15. Anti-condensation in cold climate
16. Transparent plastic covers on control board
17. Automatic repositioning of arm after an impact (Optional)

In the event of a shock while the barrier is closed, the arm is disengaged then rises to a vertical position, then returns to its closed horizontal initial position. It will have to resume its normal operation without any necessary intervention.

Dimension (mm) Application



Technical Parameter

Close/open time	0.6 sec.	Communication Interface	RS-485 or TCP/IP RJ45
Boom	Max. 3 mtr. carbon fabric round boom for 0.6 sec.	Loop detector Input	Pulse width > 100ms
Boom Direction	Leftward / rightward exchangeable	Housing Material	2mm cold-roller sheet
Power Supply	AC85~264V, 50/60Hz, 350W	Housing Painting	Powder coating last 10 years
Motor	175W DC24V brushless servo torque motor	Protection Rating	IP 54
Duty Cycle	100% duty cycle	G.W / N.W	52/50KG
MTBF	10 Million Cycles (Meantime Before Failure)	Package Dimension	1250×500×420mm
Controller	PWM variable frequency servo controller board	Dimension	984×349×340mm (H*W*D)
Wireless Remote	Two Remoters, distance>20m	Operating Temperature	-40°C~75°C
		Operating Humidity	10%~95%

Accessories

PWM variable frequency servo controller board	Remoter: transmitter, distance>20m	240W DC24V Brushless Servo Torque Motor	Ethernet Module Make your system control our barrier	Carbon Fabric Round Boom with Foam
Swing-off Module	Alarm against Swing Off Module	Ground Induction Coil	Loop Detector	Photocell