Excelsoo High-Speed Servo Motor Boom Barrier Gate

EX-BR08

Heavy Duty Barrier

Product Description

- Commercial Servo Motor Barrier Gate;
- DC brushless servo motor with frequency conversion control;
- Allows for a smooth trip of the gate arm with no bounce in the end position;
- The fastest running speed can be 0.5 seconds (0.5~0.9s adjustable);
- 100% duty cycle and free maintenance make the barrier be proper for toll stations and parking systems!

Technical Data

Model	EX-BR08	
Boom Type	Carbon Fiber Round Boom	
Boom Length	≤2M	≤3M
Running Speed	0.5/0.7/0.9S	0.9S
Input Voltage	AC 220V±10%, AC110V	
Motor Voltage	DC310V	
Enclosure Rating	IP54	
Working Temperature	-35°C~+85°C	
MTBF	10,000,000 times	
Duty Cycle	100%	
Traffic Flow Application	24 hours uninterrupted operation	
Max Motor Power	300W	
Max Motor Speed	90r/min	
Max Torque	480N.m	

Functions & Features

DC permanent magnet synchronous motor (PMSM), servo control;

Superior performance, equivalent to the main motor of the CNC machine tool and the electric vehicle motor, has high control precision, high torque density, good torque balance, low power consumption, high efficiency, less heat, and low noise;

Bi-direction boom holder design: left-installation and right-installation can be exchanged easily and quickly;

Electronic clutch design: more convenient to unlock or lock the motor when power off.(patented technology);

Three tension spring crank transmission design, for a more stable and reliable structure. (patented technology);

No limit switch design, accurate encoder detection, detecting boom position when power on. And open/close speed is adjustable;

Reversing boom more sensitivity and reacting faster when encountering obstacles;

With counting, delay auto-closing, auto-aging test, alarm when lifting boom without permission, motorcade passing function;

LCD display controller, more humanized operation, and setting;

NO/NC wire control signal input is optional;

Integrated RS485 communication, RJ45 network, infrared photocell, loop detector interface, radar module, and more secondary development;