



DC24V Remote Control Automatic Parking Boom Barrier Gate Motor

Our Product Introduction

for more products please visit us on automaticbarriersgates.com

Basic Information

- Minimum Order Quantity: 1
- Price: \$169-189



Product Specification

- Motor Type: DC Brush-less
- Operating Voltage: DC24V
- Net Weight: 16KG
- Package Size: 38.5X20.8X25CM
- Gear Accuracy: \geq GB / T100951, 2-2001 7 Level
- Protection Degree: \geq IP55
- Speed Control: Adjustable
- Gear Transmission: Worm Grinding Wheel Grinding
- Rainproof Capability: Yes
- Automatic Adjustment: Yes
- Pole Angle Adjustment: Adjustable
- Structure Type: Sealed
- Motor Life: No Carbon Brush Issue
- Gear Processing: Hard Alloy Hob Fine Rolling
- Heat Treatment: Yes



More Images



Product Description

Remote Control Automatic Parking Boom Barrier Gate Motor Mechanism

Company Profile

Shenzhen Chengbang Mechanical and Electrical Industry Co., Ltd. was established in 2010, located in Guangdong China. The factory covers 50,000 square meters with more than 50 experienced employees and a production capacity of 2000 units per month.

We specialize in vehicle entrance management systems and equipment including swinging door operating mechanisms, brush-less gate motors, DC brush-less single unit operating mechanisms, and commercial gate operating mechanisms.



Product Specifications

Single net weight: 16KG

Package carton size: 38.5×20.8×25CM

Package options: Carton or Wooden case



Product Parameters

Voltage: DC24V
Output Efficiency: 120W
Current: 6A
Insulation Class: F
Gate Operation Time: 0.3~5s
Operation Lifetime: ≥ 5 million times

Working Environment

Temperature Range: -40°C~+60°C
[-40°F~+140°F]
(temperatures below -20°C/-4°F
require a heating element)
Humidity: 85% or lower
Altitude: 1000M or lower

Applications

Generally suited for controlling gates
leading to highways and expressways,
as well as vehicle-plate reading systems
for gated communities and commercial
parking lots.

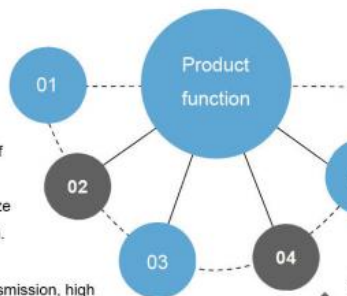
Functions & Features

CBG

- ◆ Easy installation and compact struture.

- ◆ The Main body is made of aluminum alloy, beautiful appearance, accurate size and good heat dissipation.

- ◆ Adopt gear reduction transmission, high transmsion efficiency, low loss of power output, gear material SCM421, carburizing treatment process, anti-wear, impact resistance, long service life.



- ◆ It's easily to change the direction from left to right.

- ◆ The movement adopts brush-less DC24V safety voltage to avoid electric shock caused by leakage.

- ◆ The brush-less DC motor has larger output torque and smaller volume. It can be adjusted quickly and arbitrarily through the control board.



The packaging of 18B unit motor



1.Put polyurethane foam inside



2.Cover with plastic and put the motor into the carton



3.Seal the carton with tape

Product Evolution: Old vs New Design



Previous Design Limitations

- Used worm gear mechanism with general appearance
- Utilized Rv50 reducer with splint assembly - prone to wear and instability over time
- AC 220V motor with fixed, non-adjustable speed
- Open structure with low protection (IP rating)
- Required manual magnet position adjustment for door opening angle



Improved Current Design

- Gear transmission structure with compact, aesthetically pleasing design
- Precision gear processing with accuracy grade \geq GB/T100951, 2-2001 7 level
- DC brushless motor (24V safe voltage) with adjustable speed
- Fully sealed structure with high protection (IP55) and rainproof capability
- Automatic position adjustment after power on with customizable pole angles

Manufacturing Capabilities







Industry Participation





CBG[®] Shenzhen Chengbang Electromechanical Industry Limited

+8615017905059 mok_1szeb_cbg@163.com automaticbarriersgates.com

Qiantou Xinxing Industrial Zone, Niushan community, Dongcheng District, Dongguan City