



## DC24V BLDC Gate Motor 16KG for Parking Lot Entrance System

Our Product Introduction

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### Basic Information

- Minimum Order Quantity: 2
- Price: \$169-189



### Product Specification

- Motor Type: DC Brushless
- 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 Adjustment: Adjustable
- Gear Transmission: Worm Grinding Wheel Grinding
- Rainproof Capability: Yes
- Seal Structure: Entire Seal
- Angle Adjustment: Automatic
- Gear Processing: Hard Alloy Hob
- Motor Life: Avoids Carbon Brush Problem
- Pole Stability: Stable, No Shaking
- Installation Type: Chassis Installed



### More Images



## Product Description

### DC24V BLDC Motor Parking Lot and Community Entrance Recognition System Gate

#### Company Profile

Shenzhen Chengbang Mechanical and Electrical Industry Co., Ltd., established in 2010 and located in Guangdong, China, specializes in vehicle entrance management systems and equipment. Our 50,000 square meter factory with over 50 experienced employees has a production capacity of 2000 units per month.

We manufacture a comprehensive range of products including swinging door operating mechanisms, brush-less gate motors, DC brush-less single unit operating mechanisms, and commercial gate operating mechanisms. Our facility features advanced production lines, gear testing centers, high-precision equipment, and imported CNC gears, ensuring superior quality products.



#### Product Description



## 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.

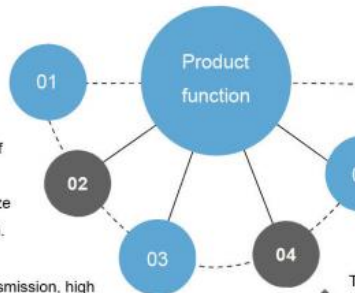
## Functions & Features

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◆ 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 Specifications

Single net weight: 16KG

Single package carton size: 38.5X20.8X25CM

Package Type: Carton or Wooden case

### Product Improvements

#### Previous Version

Worm gear mechanism with general appearance

Used 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 below 55)

Required manual magnet position adjustment for door opening angle



#### Current Version

Gear transmission structure with compact, aesthetically pleasing design

Custom gear processing with precision  $\geq$  GB/T100951, 2-2001 7 level

DC brushless motor with adjustable speed

Fully sealed structure with high protection ( $\geq$ IP55) and rainproof capability

Safe 24V DC operation

Automatic position adjustment after power on with customizable pole angles





## Manufacturing Facilities









## Company Exhibition





**CBG<sup>®</sup> Shenzhen Chengbang Electromechanical Industry Limited**

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