

# ProBG3000

MIDDLE TO HIGH-END BARRIER  
GATE SERIES



## High performance, High speed, High stability

The ProBG3000 series is a high performance and high speed barrier gate. It adopts high performance servomotor, simple and reliable transmission structure, high temperature resistant control panel, humane interaction design on appearance and impact protection design on boom connector.

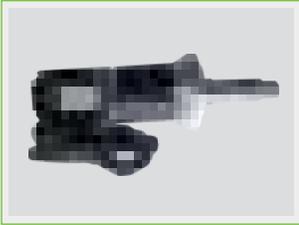


# Features

- Humane interaction design. Standard case is equipped with LED indicator and LED light strip is optional for the boom.
- Mean Cycles Between Failure (MCBF) has reached 5 million times. Product lifespan is 10 times longer than traditional barrier gate.
- Gate's opening / closing speed are lightning-fast and can widely adjust from 0.9s-10s, depends on vehicle flow and boom length.
- Good temperature resilience. Able to work under  $-40^{\circ}\text{C}$ — $+75^{\circ}\text{C}$  outdoor.
- Small abrasion, no mechanical impact and impact absorption in motion.
- Boom will be automatically raised when power off, no need for manual operation.
- Boom will stop or return when encounters blockage. Standard package with impact-resistance rubber strip.
- Installation and boom's direction switching are easy and can be done on site.
- Support fleet mode and open recording function. Gate will close after vehicle sensor has detected specified amount of vehicle pass.
- Support wide range of 100-240V DC and 24V battery.
- Low power consumption and energy saving design, the barrier gate can save  $\sim 500\text{kWh}$  per year.

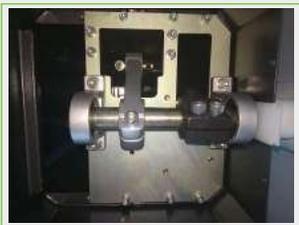


# DETAIL DESCRIPTION



## DC 24V Servomotor

- With planetary gear reducer and PID closed-loop control;
- Low noise
- No oil leaking
- Regular maintenance-free, long product lifespan;
- High transmission efficiency and control precision;
- Low motor heating, and less likely to trigger heating protection under continuous working conditions.



## Transmission Structure

- Efficient and concise mechanical transmission structure, and failure rate is very low;
- Keyless design, and avoid abrasion issue between keyway and key;
- The spindle base adopts ductile iron technology, more durable;



## Control Panel

- Using digital chip technology;
- Maximum working temperature is up to 125°C;
- Self-failure detection, Alarm raises when devices on control panel encounter failure.



## Balancing Spring

- High durability;
- With user-friendly structural design, easy and convenient for adjusting spring tension;



## Boom Connector

- Impact protection;
- When vehicle collides into the product, boom will be automatically detached to prevent damage on vehicle and product's body.



Optional for LED light strip, and the color can switch according to the barrier gate's state

Anti-smash rubber strip can protect vehicle from damage

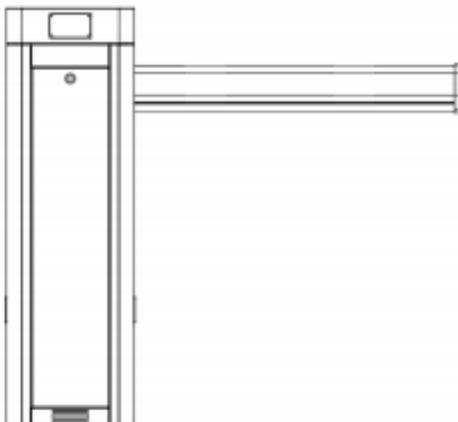
Built-in LED indicator light, and the color and state can switch according to the barrier gate's state

# Specifications

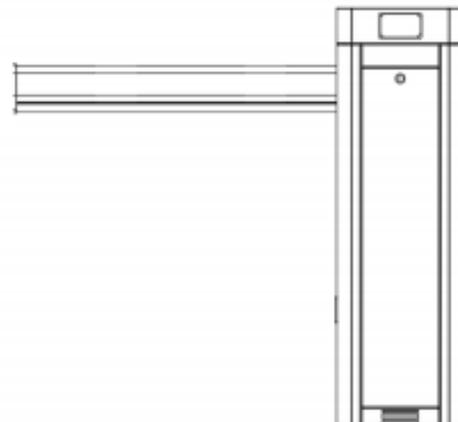
Model	ProBG3000	ProBG3100
Motor Type	Servomotor	
Boom Type	Straight boom	90° Folding boom
Boom Length	Support 3m/4.5m/6m (Can be adjusted)	3m
Protection Level	IP 54	
Operating Temperature	-40°C~+75°C	
Power Supply	24V DC, AC 100~240V	
Controller Frequency	50-60Hz	
Power Consumption	100W	
Case Material	Powder coated steel	
Case Dimensions	360*330*1000mm	
Net Weight	48kg	

Model	Boom Length (meters)	Operation Times (s)	Boom with LED
ProBG3030 L/R	3m	0.9s	N
ProBG3045 L/R	4.5m	2.5s	N
ProBG3060 L/R	6m	4.5s	N
ProBG3030 L/R-LED	3m	0.9s	Y
ProBG3045 L/R-LED	4.5m	2.5s	Y
ProBG3060 L/R-LED	6m	4.5s	Y
ProBG3130 L/R	3m	0.9s	N
ProBG3130 L/R -LED	3m	0.9s	Y

NOTE:



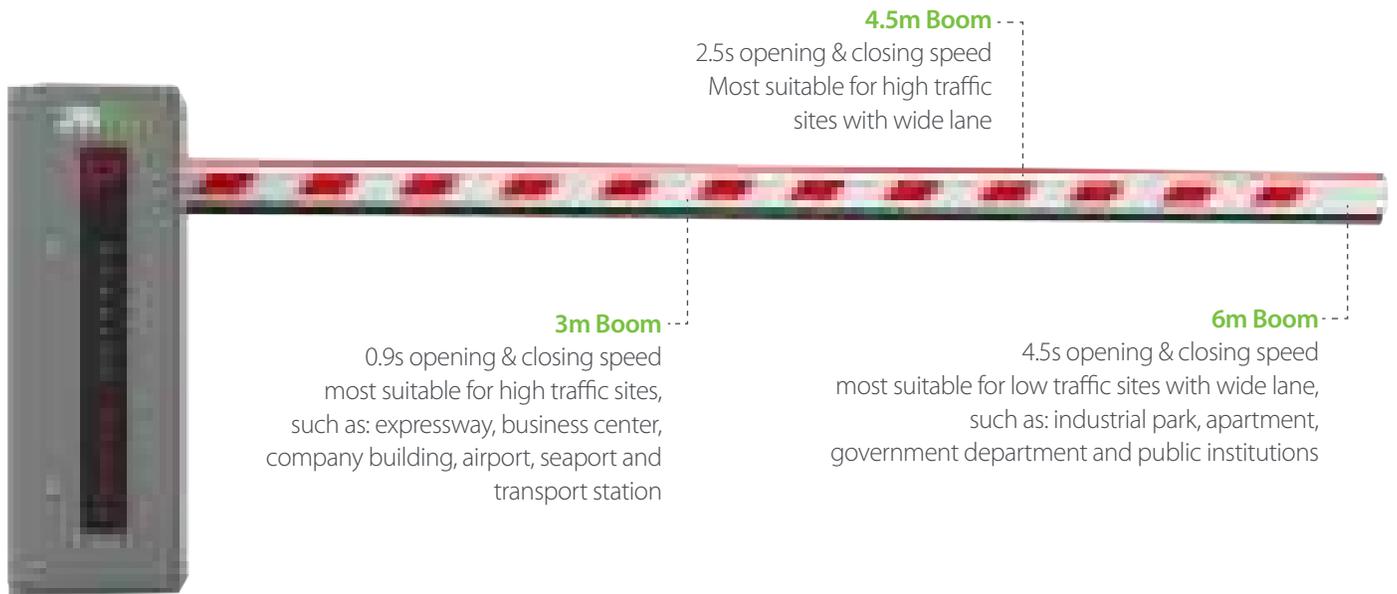
L: Case on the left side,  
and boom on the right side



R: Case on the right side,  
and boom on the left side

# Application

## ProBG3000 Series



## ProBG3100 Series



# System Products



UHF Products



Bluetooth Products



LPR Products



ZK Parking & ZKBioSecurity