PARKING ACCESS · BARRIER GATES

DC BRUSHLESS BARRIER GATE

BG-200 Intelligent digital barrier for unattended parking



PRODUCT OVERVIEW

BG-200 is a DC brushless intelligent barrier gate built for unattended parking. It detects boom status, forced lifting and boom collision (optional), raises active alarms and sends them to the operator for quick intervention. Working with the parking smart camera, it supports remote configuration, upgrades and log review, while a built-in safety lock with one-key encrypted control keeps the gate control unit secure.

Available with straight, folding and fence booms, in a clean, modern cabinet that suits any site.

24V DC
Brushless permanent-magnet motor

0.8 s
Fastest boom up/down time

6 m
Maximum straight boom length

IP54
Protection rating, –35 °C to 80 °C

PRODUCT VIEWS



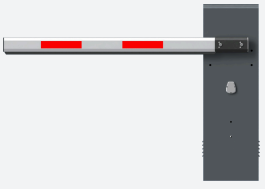
Left-hand unit
boom to the right



Right-hand unit
boom to the left



Side view
cabinet profile



Rear view
service side

IDEAL FOR Car parks · Hotels · Schools · Villa communities · Enterprises & institutions

L-POWER ELECTRIC MOTORS
MODEL BG-200

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FEATURES & BOOM OPTIONS

PRODUCT FEATURES

SMART MONITORING & IOT

- High-power 24 V DC brushless permanent-magnet motor
- Detects boom position, forced lifting and boom collision (optional); alarms go to the duty seat with a warning on the front-end device
- Works with the smart camera to detect tailgating, reversing and lingering, linked to video evidence
- Remote commissioning and parameter setup via the IoT mini-program
- Remote open/close control over IoT
- Real-time operating status and remote firmware upgrade
- Records and images of abnormal manual openings via wireless remote, desktop remote or mainboard buttons

SECURE SAFETY & OPERATION

- Encrypted open/close signals keep control safe and reliable
- Anti-copy remote technology blocks universal remotes
- Up to 50 remote control codes
- Obstacle rebound, loop-detector anti-crash and open-priority anti-crash
- Delayed auto-close, end-position locking, convoy mode and counting
- Straight, folding and fence booms; mechanism reversible left/right
- Manual crank after power failure; auto-lift on power failure optional

MECHANISM OPTIONS

MECHANISM	UP/DOWN TIME	MAIN SHAFT TORQUE	RECOMMENDED USE
0.8 s	Stepless 0.8–6 s	55.8 N·m	Foam boom ≤3 m
1.5 s	Stepless 1.5–6 s	105.6 N·m	—
3 s	Stepless 3–6 s	211.2 N·m	Fence boom

BOOM OPTIONS

≤6 m
Straight boom
Boom support recommended above 4.5 m

≤5 m
Folding boom
Maximum folding boom length

≤4.5 m
Fence boom
Two-panel, with 3 s mechanism

≤4 m
Foam boom
≤3 m recommended with 0.8 s

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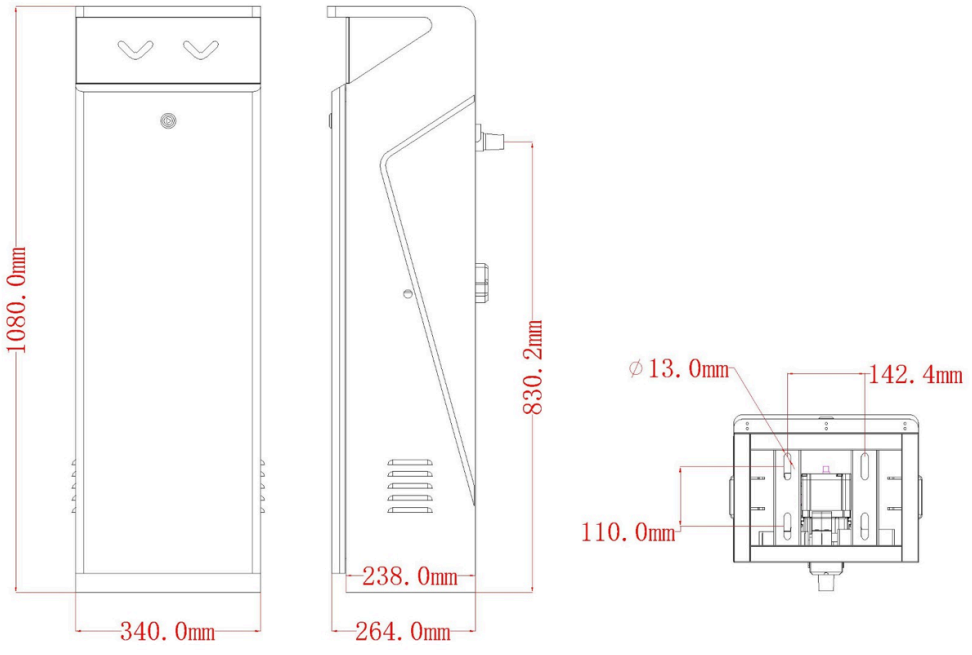
SPECIFICATIONS & DIMENSIONS

TECHNICAL SPECIFICATIONS

Operating voltage	DC 24 V ±10%
Rated power	≤150 W
Operating temp.	–35 °C to 80 °C
Mechanism	DC brushless
Up/down time	0.8 / 1.5 / 3 s mechanisms, stepless to 6 s
Shaft torque	55.8 / 105.6 / 211.2 N·m
Boom length	Straight ≤6 m, folding ≤5 m, fence ≤4.5 m, foam ≤4 m
Boom types	Straight, folding, fence, foam
Boom size	86 × 44 mm
Boom centre height	830 mm above ground

Remote control	Up to 50 remotes learned
Remote distance	≤30 m
Remote frequency	433 MHz
Input interface	Dry contact signal
Insulation class	F
Protection rating	IP54
Cabinet material	SPCC carbon steel
Cabinet finish	Powder coating
Cabinet thickness	1.5 mm
Overall size	340 × 264 × 1080 mm (L×W×H)

OUTLINE & MOUNTING HOLE DIMENSIONS



* Technical specifications are subject to change without prior notice.

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