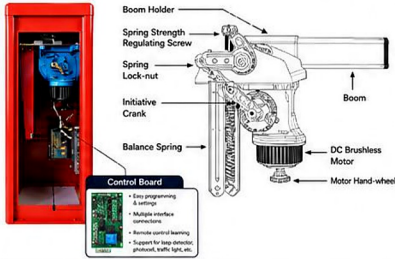


BOOM GATE – 6 METERS

ELECTRICAL BARRIER GATE SYSTEM



PRODUCT DESCRIPTION

SOFAB Electrical Boom Gate is a heavy duty, high speed barrier gate designed for access control of entrances and exits.

Designed to work in extreme high temperatures for continuous 24 hours duty 7 days a week.

حاجز بواب كهربائي من سوابق متين وسريع
تم تصميمه للعمل في درجات حرارة عالية
على مدار 24 ساعة 7 أيام في الأسبوع.

KEY FEATURES

- ✓ Heavy duty & high speed operation
- ✓ Humanized clutch & electronic limit switch
- ✓ Automatically backrack on obstacle
- ✓ Manual release in case of power failure
- ✓ Reversing on obstacle & auto-closing
- ✓ Support for Photocell & Loop Detector
- ✓ Traffic light interface
- ✓ Remote control (418MHz) / Wire control
- ✓ Water-proof housing (IP44)
- ✓ Built for extreme temperature conditions

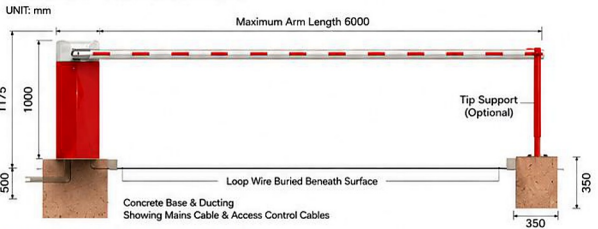
TECHNICAL SPECIFICATIONS

Boom Type	Straight (90°, 180° Optional)
Running Time	5 Seconds (Configuration) (Options: 3s / 6s)
Max. Boom Length	6 Meters (Options: 3m / 4.5m / 5m / 6m)
Boom Dimension (W x H)	45 x 80 mm
Boom Weight	2 – 5 kg
Power Supply	220V / 110V ±10%, 50/60Hz
Rated Power	100 W
Working Temperature (Machine Core)	-35°C ~ +85°C
Working Temperature (Electric Cabinet)	-40°C ~ +75°C
Protection Grade	IP44
Remote Control Frequency	418 MHz
Remote Control Distance	≥ 30 m
Relative Humidity	≤ 90%
Net Weight	65 kg
Duty Cycle	100% (Continuous 24/7)
Housing Material	Powder Coated Steel
Boom Arm Material	Aluminum Alloy with Reflective Sticker

Note:

Boom arm length can be reduced as per client requirements.

DIMENSIONS / TECHNICAL DRAWING



STANDARD BOOM GATE SET (INCLUSIONS)



OPTIONAL ACCESSORIES



MAGNETIC LOOP DETECTOR (OPTIONAL)



- Detects vehicle presence
- Prevents gate closing on vehicle
- Improves safety and traffic flow
- External or Internal Loop Detector Supported

FUNCTIONS & FEATURES

- Reversing on obstacle
- Auto-closing
- Support Infrared Photocell for anti-bumping (optional)
- Support external and internal Vehicle Loop Detector (optional)
- Traffic light interface
- Wire control (switch signal) / Remote control (418MHz)
- RS485 communication module (optional)
- Additional remotes available (limitless quantity)

APPLICATION

* SOFAB Electrical Boom Gate is designed for controlled vehicle access at entrances and exits of commercial, industrial, residential, institutional, parking, and secured facilities.

* The system provides reliable vehicle access control while allowing integration with external safety and access-control devices such as photocells, vehicle loop detectors, traffic lights, remote controls, and other compatible control systems.

SYSTEM OPERATION

* The boom gate is electrically operated through an integrated control system and can be activated through remote control, wired control, or compatible access-control equipment.

* The system provides automatic opening and closing operation with configurable safety functions, including obstacle detection/reversing and manual release in case of power failure.

INSTALLATION REQUIREMENTS

The installation shall include the required mechanical fixing, electrical connection, testing, commissioning, and handover as specified in the approved proposal.

Client Requirements:

- Suitable electrical power supply.
- Minimum recommended cable: 1.5 mm² or greater, 4-core flexible cable.
- Power rating: 0.18 kW or greater.
- Current rating: **1.2 A or greater**.
- 2-inch blank conduit from the boom gate installation point toward the security/control room.
- Suitable concrete foundation/base according to the installation arrangement.
- The final installation arrangement shall be confirmed according to the actual site conditions.

TESTING & COMMISSIONING

Upon completion of installation, the boom gate shall be tested to verify:

- Opening and closing operation.
- Boom arm limit positions.
- Obstacle reversing and safety functions
- Photocell and magnetic loop detector, if provided
- Warning light and access-control interface, if provided

The system shall be handed over after successful testing and commissioning.

MAINTENANCE

Regular inspection and preventive maintenance of the boom arm, mechanical components, balancing spring, electrical connections, control board, safety devices, remote controls, and equipment housing are recommended to ensure reliable operation.

Maintenance frequency should be adjusted according to site conditions and operating frequency. - maintenance pwede ba gawin mo na Inag ito sentence

Warranty Period: 1 Year - Warranty conditions shall be subject to the terms and conditions stated in the approved quotation/proposal.