



**Scorpio Automation<sup>TM</sup>**

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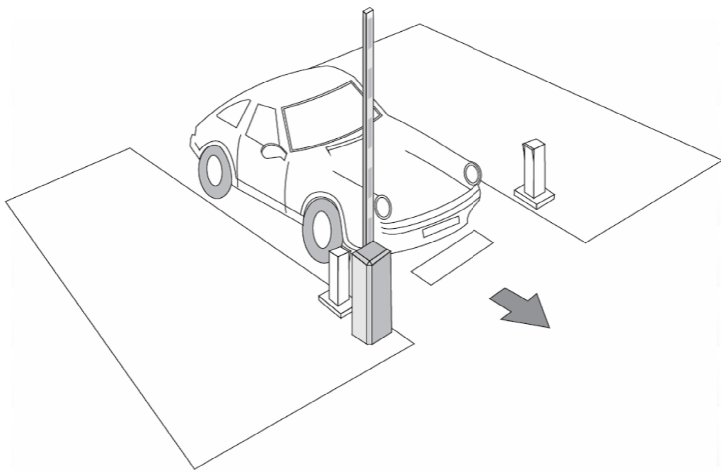
## Automatic Boom Barrier



### Application:

- Parking lots
- Toll gate,
- Goods yard,
- Commercial premises,
- Apartment block access
- Shopping malls,
- Hospitals,
- Stadiums,
- Business centers,
- Airports,
- Colleges and so on.

## Auto Boom Barriers



### Technical data:

**Electronic box working temperature:** - 40°C~+75°C

**Power:** 220V±10%, 110V±10%, 50/60HZ

**Rated power:** 80W<120W

**Relative humidity:** ≤90%

**Remote control distance:** ≥30m

**Net weight:** 60kgs

**Speed:** 1S, 1.8S, 3S, 6S

### Advanced Features:

- Advance manual release
- Balanced boom running with a motor transmission of cranks and shafts Boom with protective rubber band
- Offering dry contact signal for car parking system (COM, NC, NO)
- Infrared photocells interface is available
- Loop detector interface is available
- Double limit ways (electronic limit and motor sensor memory limit) for boom rising and falling.
- Well-integrated with car parking system equipments, with wire control (push button)
- Interface for traffic light
- Auto-reverse when the boom meets obstruction
- Auto-delay when closing (adjustable)
- Remote control frequency: 315 MHz, 418MHz, 433MHz
- Remote control to operate the barrier gate
- Die-casting aluminum alloy machine core and advanced doubled-stage driving motor effectively solve the problem of mechanism block up.
- Full molding design for all the main parts, cast by aluminum alloy, realizing precisely match for each components, realizing non rusting and corrosion-resistant in atrocious weather.

Model No	Image	Specification																								
Model : SM6M6SN		<table><tr><th>Model</th><th>SM6M6SN</th></tr><tr><td>Running time</td><td>6sec</td></tr><tr><td>Boom type</td><td>straight</td></tr><tr><td>Boom length</td><td>6M</td></tr><tr><td>Boom dimension</td><td>45*100mm</td></tr><tr><td>Boom weigth</td><td>6 kg</td></tr><tr><td>Voltage</td><td>AC220V±10%, AC110± 10%</td></tr><tr><td>frequency</td><td>50/60hz</td></tr><tr><td>Motor voltage</td><td>220V</td></tr><tr><td>power</td><td>120W</td></tr><tr><td>Working temperature</td><td>-35degree~+75degree</td></tr><tr><td>Protection degree</td><td>IP54</td></tr></table>	Model	SM6M6SN	Running time	6sec	Boom type	straight	Boom length	6M	Boom dimension	45*100mm	Boom weigth	6 kg	Voltage	AC220V±10%, AC110± 10%	frequency	50/60hz	Motor voltage	220V	power	120W	Working temperature	-35degree~+75degree	Protection degree	IP54
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Model :  
SM8M6H



Model	SM8M6SH
Running time	6sec
Boom type	straight
Boom length	8M
Boom dimension	45*100mm
Boom weighth	6 kg
Voltage	AC220V±10%, AC110± 10%
frequency	50/60hz
Motor voltage	220V
power	120W
Working temperature	-35degree~+75degree
Protection degree	IP54

Model :  
SM4M6SHL



Model	SM4M6SHL
Running time	6sec
Boom type	straight
Boom length	4M
Boom dimension	45*100mm
Boom weighth	6 kg
Voltage	AC220V±10%, AC110± 10%
frequency	50/60hz
Motor voltage	220V
power	120W
Working temperature	-35degree~+75degree
Protection degree	IP54

Model :  
SM3M1SH



Model	SM3M1SH
Running time	1sec
Boom type	
Boom length	3M
Boom dimension	45*80mm
Boom weighth	4.5kg
Voltage	AC220V±10%, AC110± 10%
frequency	50/60hz
Motor voltage	220V
power	120W
Working temperature	-35degree~+75degree
Protection degree	IP54

Model :  
SM4M6S2F



Model	SM4M6S2F
Running time	6sec
Boom type	2fencing
Boom length	4.5m
Boom dimension	45*100mm
Boom weighth	7 kg
Voltage	AC220V±10%, AC110± 10%
frequency	50/60hz
Motor voltage	220V
power	120W
Working temperature	-35degree~+75degree
Protection degree	IP54

Model :  
SM4M6S3F



Model	SM4M6S3F
Running time	6sec
Boom type	3fencing
Boom length	4M
Boom dimension	45*100mm
Boom weighth	7.5 kg
Voltage	AC220V±10%, AC110± 10%
frequency	50/60hz
Motor voltage	220V
power	120W
Working temperature	-35degree~+75degree
Protection degree	IP54

Model :  
SM5M90FH



Model	SM5M90FH
Running time	6sec
Boom type	Folding
Boom length	5M
Boom dimension	45*100mm
Boom weighth	6 kg
Voltage	AC220V±10%, AC110± 10%
frequency	50/60hz
Motor voltage	220V
power	120W
Working temperature	-35degree~+75degree
Protection degree	IP54

Model :  
SM5M180FH



Model	SM5M180FH
Running time	6sec
Boom type	Folding
Boom length	5M
Boom dimension	45*100mm
Boom weighth	6 kg
Voltage	AC220V±10%, AC110± 10%
frequency	50/60hz
Motor voltage	220V
power	120W
Working temperature	-35degree~+75degree
Protection degree	IP54

## Barrier housing

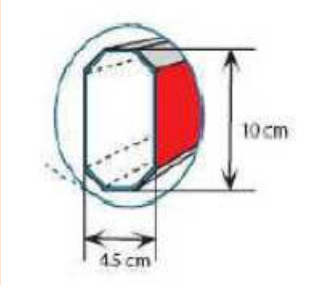
(Sturdy and strong housing 2.5 mm thickness mild steel, Housing is polished, phosphoresced and further Finished with plastic coating to ensure long lasting bright colors)



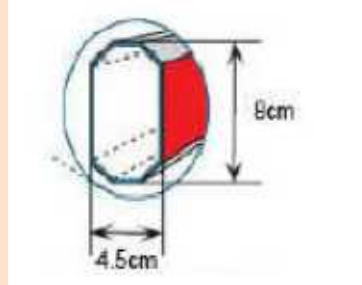
**Dimension: 330\*285\*934mm**

## Barrier Boom

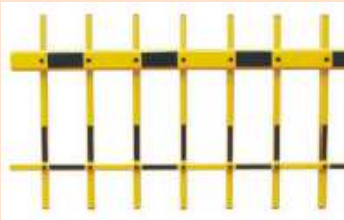
**Straight Boom (3S/6S)**



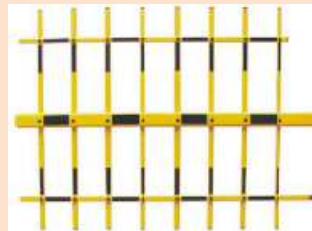
**Straight Boom (1S)**



**Two Fence Boom**



**Three Fence Boom**



**90 degree Folding Boom**



**180 degree Folding Boom**









### Boom Barrier Technical Specifications

Sl.No	Description	Features
1	Drive Mechanism - Electromechanical	Electromechanical
3	Type of Electrical Motor	AC Motor
5	Control panel (compatibility with Access control, BMS, FA systems)	Yes (Inbuild control panel)
6	Push Button	Yes
7	Remote Control Availability - Yes/No/Optional	Yes
8	Optical sensors Availability - to avoid damage to vehicles.	Yes, Optional
9	Proximity Card Integration	Yes, Optional
10	PIR Integration in the Barrier Body	Yes, Optional
12	Auto Close Mode	Yes
13	Height of Boom Stand (if required)	1 Mtrs Adjustable type
14	Physical Dimensions of the Body Structure	320mmX280mmX95mm
15	Painting Specifications	Power Coated , Water Proof
16	Boom Arm - Material Used	AL Boom
17	Boom Arm - Fixed / Mobile Support	Fixed
18	Boom Length (in meters)	2.5-6 Mtr
19	Boom Weight (in Kgs)	Apx . 12 kg
20	Counter Balance / springs	single Spring System
21	Input Voltage Rating	220V +/- 10%
22	Control Voltage	12V
23	Power Consumption (in Watts)	Apx. 90W
24	Opening and Closing Time	1-6Sec
25	Adjustable Opening Time	1-99Sec
26	Battery Backup (Optional)	Optional
27	Duty Cycle - 100%	100%
29	Type of IP protection - IP54	IP54
30	Connectivity to BMS	Yes, Optional
31	Warning sounder/beacon with flashing (Optional for 4 Mts)	Yes, Optional
32	Position of boom during power failure - Open/Close	Can be manually operated
33	Can it be operated manually in case of electrical and battery backup failure?	yes
35	Standard Warranty terms (in years)	12 months

## ACCESSORIES

Main Control Board	Photo Beam Safety Sensor	Loop Deduct or	Remote Transmitter
			
Boom Stand	Infrared Photocell	Pushbutton Switch	Flashing Lamps
