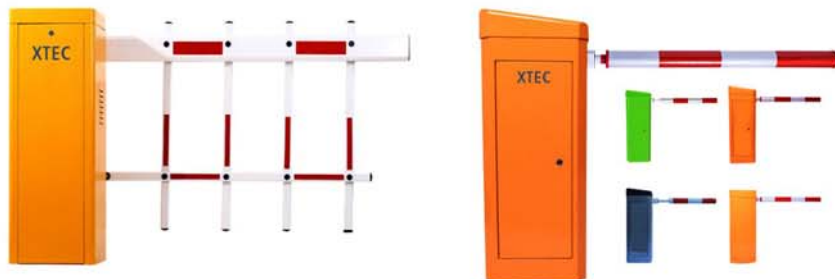




HIGH SPEED AUTOMATIC PARKING BARRIER

The Hi-speed Parking Barrier is an ideal automatic car park barrier for small, medium to high usage car parks and security control, it can easily integrate with revenue collection and access control systems as required in future upgrades.



The hi-speed barriers are utmost reliability, ease of use and safety of operation. Using quality materials and technology ensures long and trouble-free service life of barriers even under demanding conditions with high traffic density. The heavy duty motor supports the 100% duty cycles. For the most demanding climatic conditions and harsh environments (high humidity, road or sea salts etc.)



The hinged/removable lockable steel top cover provides access to the drive mechanism. The cabinet houses the barrier 'parking logic' control panel, providing the necessary power supply isolator, fuses, thermal overload trips and motor contactors. An integral support is provided to maintain the aluminum boom in the horizontal position.



DESIGNED FOR EXTREME TRAFFIC

New high-speed automatic barrier with **100% duty rating** and standard operating time of **0.9sec to 1.2sec**, featuring a fast electromotor controlled for **maximum efficient, smooth and quiet operation**. Available for boom lengths **starting from 2.5 to 4meters**. Powerful drive unit performs flawlessly even in the most demanding operating and weather conditions.

**100% duty rating
± 10 Millions
Operation**

ULTRA FAST & ANTI-TAILGATING

High speed automatic barrier opens or closes in **0.9Sec to 1.2Sec** which makes it perfect for parking lots, toll stations and go. other applications with extreme traffic. The barrier gates can be adjusted to **operating time of 0.6 s**. Blink and you are good to high speed barrier **significantly reduces tailgating**.

**Adjustable
± 0.6 ~ 0.9 Second
Open / Close**

ULTRA SAFE

All automatic barriers are designed with maximum **safety** in mind. Should you need **auto reverse** function, **safety photocells kit**, **break-away arm mechanism**, **flashing light**, **boom LED lights** etc., as are granted.

**Multi- Notification
Safety**

SUPERIOR CAPACITY

High speed automatic barrier gate has a standard throughput rate of more than 600 vehicles per hour. Upon request the operating speed can be adjusted to 0.9 s, which increases the trough put rate to **more than 720 vehicles per hour**.

**± 760 Operation
On Battery**

INTELLIGENT

All hi-speed automatic barrier gates are not only efficient but also intelligent. With dual channel vehicle detector besides their presence they are able to **detect vehicle direction**, which is extremely useful for **vehicle counting**.

**Detect Vehicle
Reverse Arm safety**

FEATURES

- 100% Duty cycling
- 110 to 230v single phase 50Hz 6A
- Built-in DC power switch option for SOLAR Power
- Electro-mechanical drive unit
- Fast acting 0.9 to 2.4 seconds
- Multi-process coating specification

BENEFITS

- High traffic flow
- Built-in Solar power option - continuous
- Low maintenance, Ease of installation
- Manual operation in event power failure

OPTIONS AVAILABLE

- Access control & intercom systems
- Straight Boom with Fence (up to 4m)
- Articulated Boom (up to 4m)
- Safety including, Reverse, Photo cell, Loops etc.
- Left/Right handed boom mounting
- Multiple cabinet colors available

ADVANTAGES

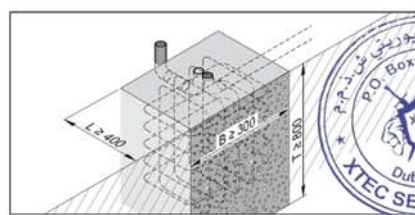
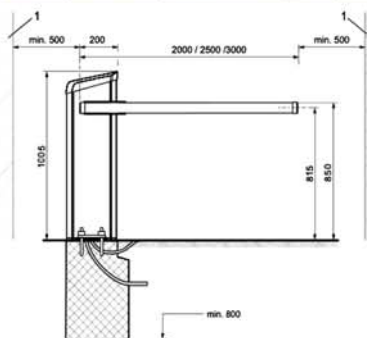
- Powerful drive unit
- Low power consumption -80-150WT
- Ultra-fast and anti-tailgating
- Hi capacity as 720 vehicle /hour (tested)
- Intelligent barrier, reverse back options





TECHNICAL SPECIFICATIONS

Barrier Models	PB2500H	PB3000H	PB4000H
Max Boom Length	2500mm	3000mm	4000mm
Open/Close Time	0.6sec	0.9sec	4sec
Barrier Power Supply	24/100/240VAC, 50/60Hz		
Power Consumption	Max. 90w	Max. 100w	Max. 150w
Machine Case Size(W*D*H)	342 X 312 X 959mm		
Net Weight	42.6kg	43kg	43kg
Solar power option	Optional	Built-in	Built-in
Operating Temperature	-45°C ~ +85°C		
Driving Method	PMSM motor		
Protection System(IP)	IP54- IP65		
Relative Humidity	≤90%		
Motor No-load Speed	3000rpm/min		
Remote Control Distance	≤100m (open, normal)		
Boom Revers sensitivity	Less 0.5lbs-soft		
Output Torque	1.2N.M*140=160N.M	0.86N.M*140=120N.M	0.56N.M*140=105N.M
Running Noise	30dB	45dB	45dB
Surface Treatment	Powder electrostatic spraying	Powder electrostatic spraying	Powder electrostatic spraying
Barrier Controller	DZ138M	DZ138L	DZ138L
Voltage (±10%)	110-240 volt		
Frequency(Hz)	50-60Hz		
Max Power Consumption(watt)	8W	10W	10W
Control Voltage	24V DC/max.2000mA	24V DC/max.3000mA	24V DC/max.3000mA
Input-end	8	8	8
Open Collector Output	2	2	2
Reversal Relay	3	3	3
Operating Temperature °C	-45°C~+85°C		
Solar Panel	STP045	STP100	STP150
Power	Power (Wp): 45watts	Power (Wp): 100watts	Power (Wp): 150watts
Nominal Voltage (Vmp)	17.5V DC	19.5V DC	19.5V DC
Nominal Current (Imp)	2.58A	5.12A	8.72A
Open Circuit (Voc) Short Circuit (Isc)	22.0V / 2.86A	23.0V / 5.45A	22.0V / 9.27A
Charging Capacity	In winter 45W panel provide 45w of energy AND In Summer its provide min 120w energy to Battery		
Battery Specification	SLB012	STP050	STP150
Nominal Voltage	12V	12V	12V
Nominal Capacity 77°F(25°C)	23.8A	35.2A	63A
Capacity: 10h rate	(2.38A) / 23.8Ah	(5.08A) / 50Ah	(10.05A) / 100Ah
Self-Discharge rate - (77°F) 25°C	92%(3-month) 76% (6 month)	86%(3-month) 71% (6 month)	91%(3-month) 82% (6 month)
Barrier Power & load on Solar power			
12V- 7Ah : Sealed Lead Acid Battery	12V- 7Ah Lead Acid Battery provides 84WH which is battery's rated wattage is: 60,4800 MJ		
12V stores power as (12V X 2)	6048000 / 12V is total on 4582 Energy unit which 12V-7Ah battery stores 4582 seconds of Energy in full charge		
Battery discharge-Reserve capacity 80%	4582 sec storage / Barrier Operation 6-seconds : Maximum Active running will be : 4582/ 6 sec =763 -Rotations		



► **Dimensions:**
depth 800 mm (1,000) x width 400 mm x length 400 mm

► **Concrete:**
EN 206 C25/30 XC4, XF1, XA1 (25-30 N/mm²)



Manufacturer operates a policy of continuous improvement and reserves the right to alter product specifications at its discretion and without prior notice.