

IBN FIRNAS
TRADING & CONTRACTING



ابن فرناس
التجارة والمقاولات

Ph. No: +974-66885169

Email: info@ibnfirnas.online

Website: www.ibnfirnas.online

Address: Post Box 35170, Street 50, Industrial Area, Doha Qatar

Ibn Firnas Trading and Contracting Specialized in manufacturing & repair of All types of Automatic doors, Windows & Rolling shutters, Boom Barriers, Swing & Sliding Gate and repair of all types of VFD, PLC, HMI, Servomotor, Drivers & electronic circuits.

Catalogue 2024





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About Us

Ibn Firnas are one of the best automatic door suppliers in Qatar and we have the best technicians to install the door. We also have automatic door repair services. Being the best automatic door supplier in Qatar since the early 90s, our experienced technicians bring out their best to provide you with a flawless functioning of your automatic door system. We supply and also install automatic doors in your office. With our expert team of technicians, we assure of the best products and good services.



SINOMATIC OPEN YOUR SMART GATES

To provide customers with satisfactory products and solutions.



Swing Gate Opener ▶



◀ Sliding Gate Opener



◀ Automatic Barrier Gate



▶ Garage Door Opener

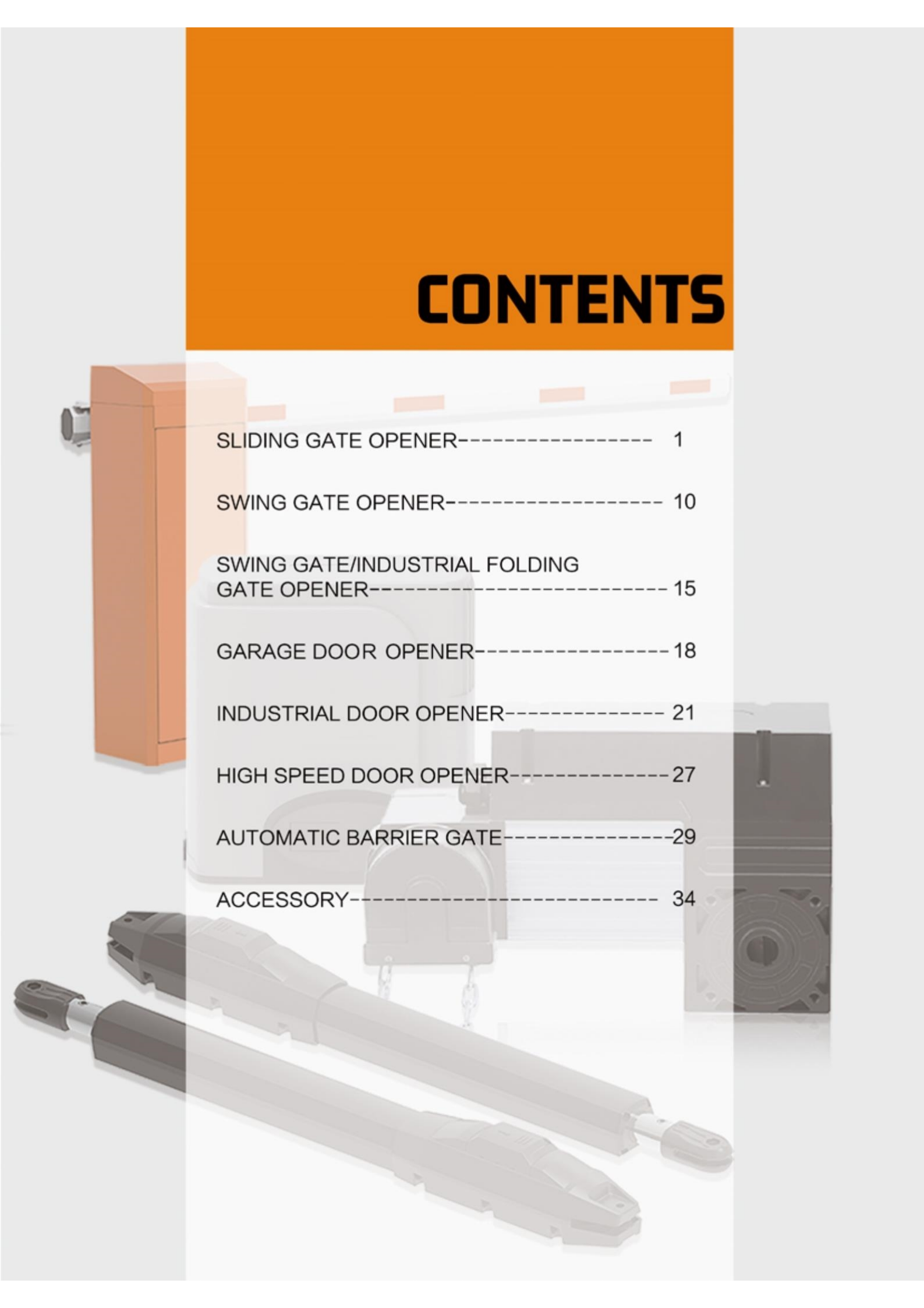


High Speed Door Opener ▶



◀ Industrial Door Opener

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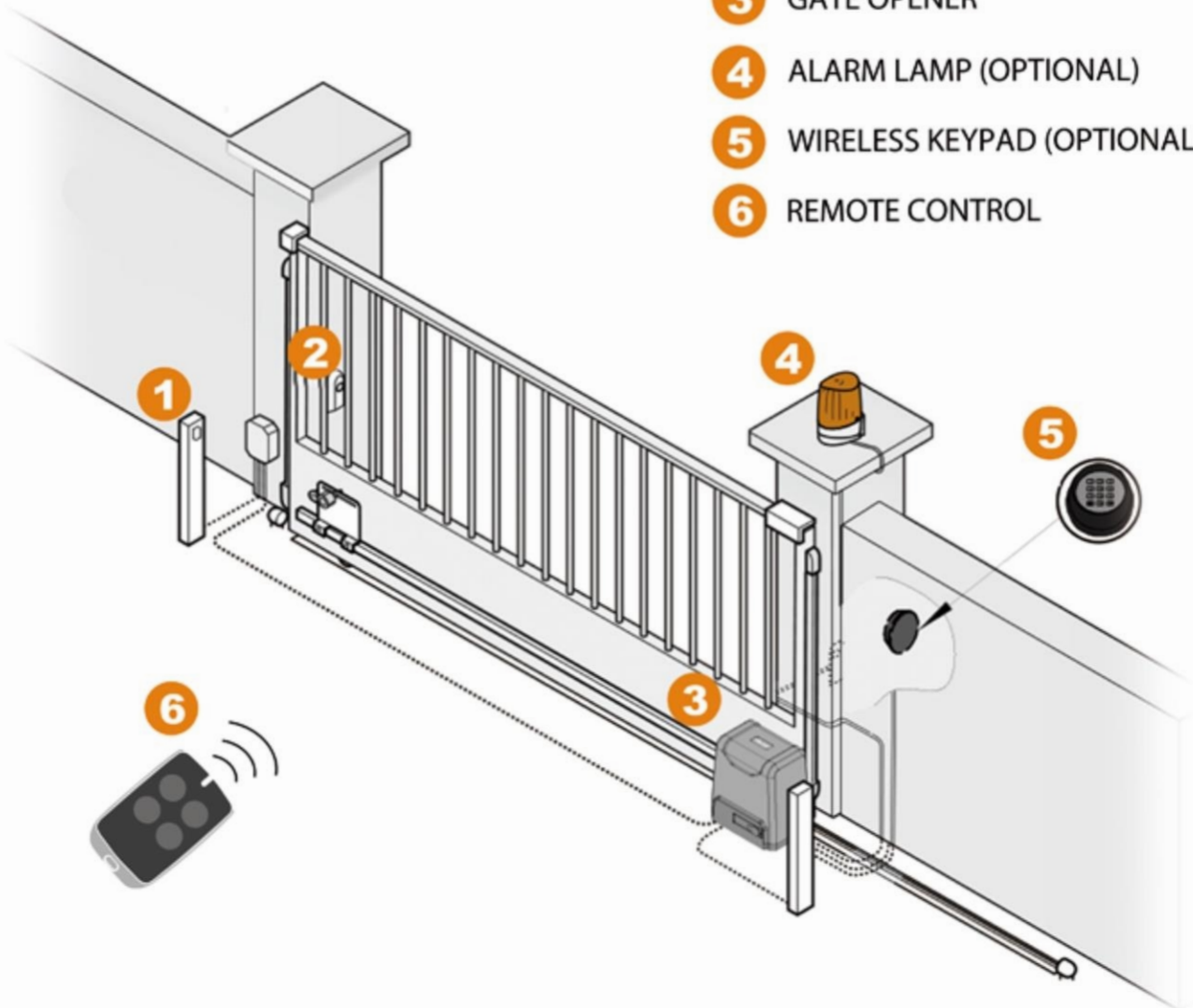
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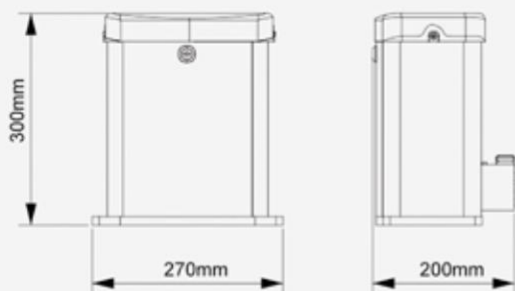
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- 1** INFRARED SENSOR (OPTIONAL)
- 2** INFRARED SENSOR (OPTIONAL)
- 3** GATE OPENER
- 4** ALARM LAMP (OPTIONAL)
- 5** WIRELESS KEYPAD (OPTIONAL)
- 6** REMOTE CONTROL



300KG



Product characteristics

- Brushed aluminum shell, novel appearance.
- DC24V motor with built-in control unit.
- Built in backup battery.
- Solar system compatible.
- Keypad/external button interface.
- Alarm lamp, photo beam & safety beam interface.
- Auto-close function.
- Soft start and slow stop function.

Main technical parameters

Unit Model	PY300DC	PY300DCL
Power Supply	AC220V/50Hz ; AC110V/60HZ	
Maximum Loading Weight	300KG	
Motor Power	24VDC 100W	
Output Torque	8N.m	
Output Shaft Height	46mm	
Limit Switch	electronic limit switch	
Gate Moving Speed	13m/min	
Remote Control Range	≥30m	
Recording of Up Remotes	25	
Remote Frequency	433.92MHz	
Work Duty	S2 30min	
Working Noise	<60dB	
Working Temperature	-20C~70°C	
Driving Mode	Gear	Chain
Package Weight	11.50KG	19.00KG



SLIDING

SWING

FOLDING

GARAGE

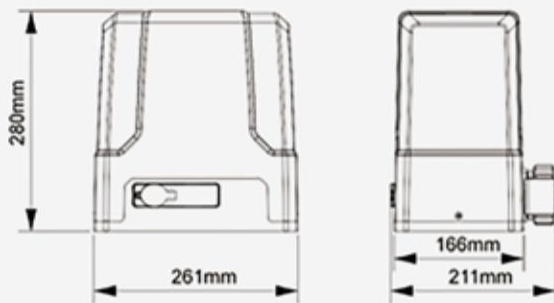
INDUSTRIAL

HIGH SPEED

BARRIER GATE

ACCESSORY

500KG 800KG

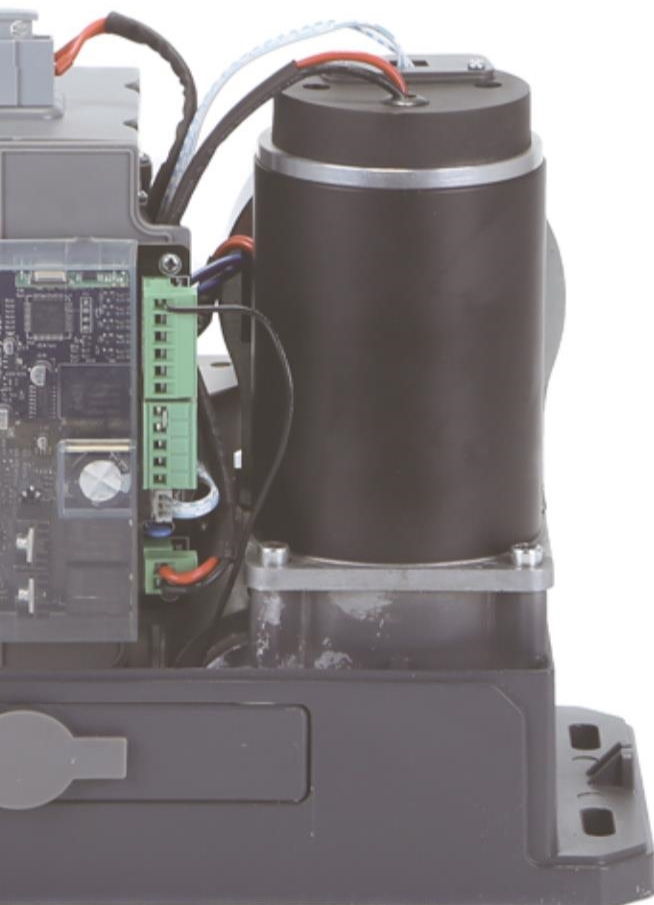


Product characteristics

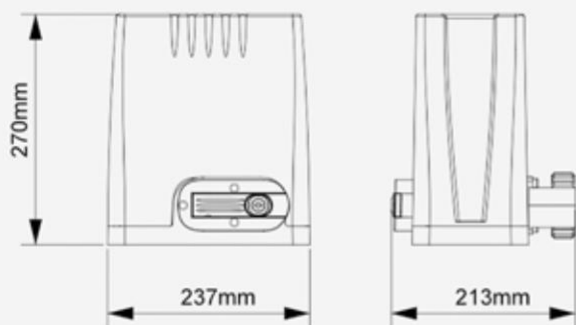
- Integrated structure of motor and battery makes installation more convenient.
- Soft start & slow stop, smooth running.
- Speed is adjustable.
- Indicator lights feed back the error information timely makes installation and testing easier.
- Anti-clip function when hitting the obstacles .
- Auto-close function is adjustable.
- Works with infrared sensor,WIFI control.

Main technical parameters

Unit Model	SL500DC	SL800DC
Power Supply	AC220V/50Hz;AC110V/60Mz	
Motor Power	DC24V 150W	DC24V 180W
Travel Speed	16-18m/min	
Loading Weight	≤500Kg	≤800Kg
Limit Switch	Magnetic limit switch	
Remote Frequency	433.92MHz	
Remote Control Code	rolling code	
Remote Control Mode	single button/three button	
Recording of Up Remotes	32	
Working Noise	≤58dB	
Battery Specification	1x12V/9Ah	
Package Weight	10.00Kg	14.00Kg

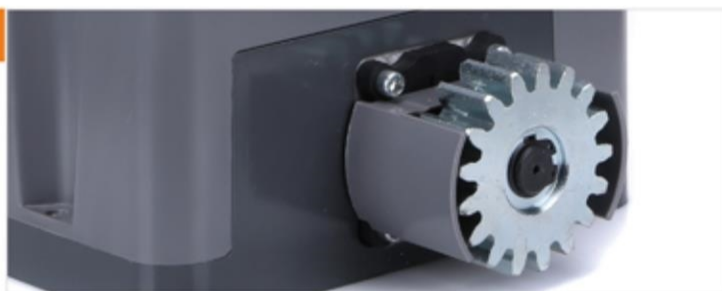


600KG-800KG



Product characteristics

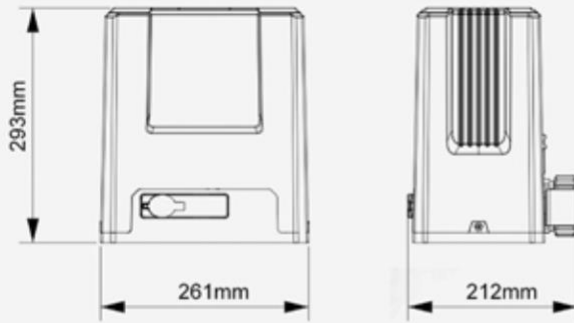
- AC motor with built-in control unit.
- Keypad/external button interface.
- Alarm lamp, photo beam & safety beam interface.
- Auto-close function.
- Soft start and slow stop function. (Smart version)
- Auto-reverse function when hitting obstacle during gate closing. (Smart version)
- Manual release key design for emergency purpose.



Main technical parameters

Unit Model	DKC500AC	DKC800AC	DKC500DC	DKC800DC
Power Supply	AC220V/50Hz; AC110V/60Hz			
Maximum Loading Weight	600KG	800KG	500KG	800KG
Motor Power	280W	380W	150W	170W
Output Torque	16N.m	18N.m	14N.m	18N.m
Output Shaft Height	46mm			
Limit Switch	Magnetic limit switch or Spring limit switch			
Gate Moving Speed	11-13m/min			16-18m/min
Remote Control Range	≥ 30m			
Recording of Up Remotes	20		40	
Remote Frequency	433.92MHz			
Work Duty	S2 20 min			
Working Noise	≤ 58dB			
Working Temperature	-20C~70C			
Driving Mode	Gear/Chain			
Package Weight	10.00KG	11.00KG	10.00KG	10.00KG

600KG



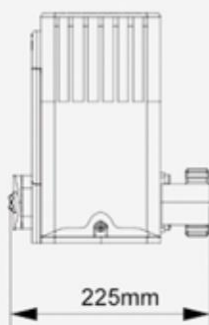
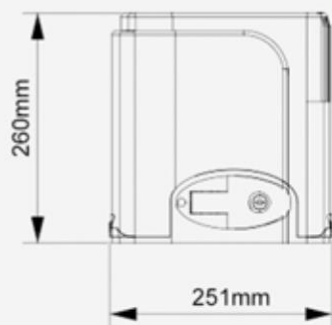
Product characteristics

- AC motor with built-in control unit.
- Keypad/external button interface.
- Alarm lamp, photo beam & safety beam interface.
- Optional auto-close function.
- Soft start and slow stop function. (Smart version)
- Auto-reverse function when hitting obstacle during gate closing. (Smart version)
- Manual release key design for emergency purpose.

Main technical parameters

Unit Model	PY500AC	PY500ACL
Power Supply	AC220V/50Hz;AC110V/60Hz	
Motor Power	280W	
Travel Speed	11-13m/min	
Loading Weight	<600KG	
Limit Switch	Magnetic limit switch / Spring limit switch	
Remote Frequency	433.92MHz	
Remote control distance	> 30m	
Remote Control Mode	single button/three button	
Recording of up remote controls	20	
Working Noise	≤58dB	
Working temperature	-20°C~ +70°C	
Driving Mode	Gear	Chain
Package Weight	10.00KG	16.42KG

600KG



Product characteristics

- AC motor with built-in control unit.
- Keypad/external button interface.
- Alarm lamp, photo beam & safety beam interface.
- Auto-close function.
- Soft start and slow stop function.(Smart version)
- Auto-reverse function when hitting obstacle during gate closing.
- Manual release key design for emergency purpose.

Main technical parameters

Unit Model	SL600AC	SL600ACL
Power Supply	AC220V/50Hz ; AC110V/60Hz	
Maximum Loading Weight	600KG	
Motor Power	280W	
Output Torque	16N.m	
Output Shaft Height	46mm	
Limit Switch	magnetic limit switch or spring limit switch	
Gate Moving Speed	13m/min	
Remote Control Range	> 30m	
Recording of Up Remotes	20	
Remote Frequency	433.92MHz	
Work Duty	S2 20 min	
Working Noise	≤ 58dB	
Working Temperature	-20C~ 70°C	
Driving Mode	Gear	Chain
Package Weight	9.00KG	16.00KG

SLIDING

SWING

FOLDING

GARAGE

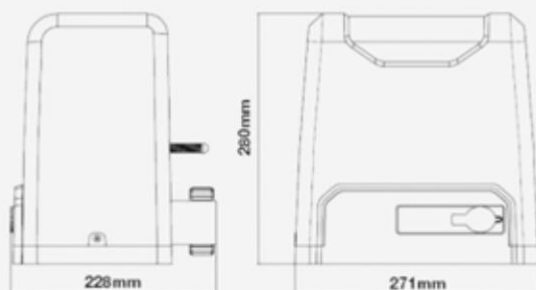
INDUSTRIAL

HIGH SPEED

BARRIER GATE

ACCESSORY

1000KG-2000KG

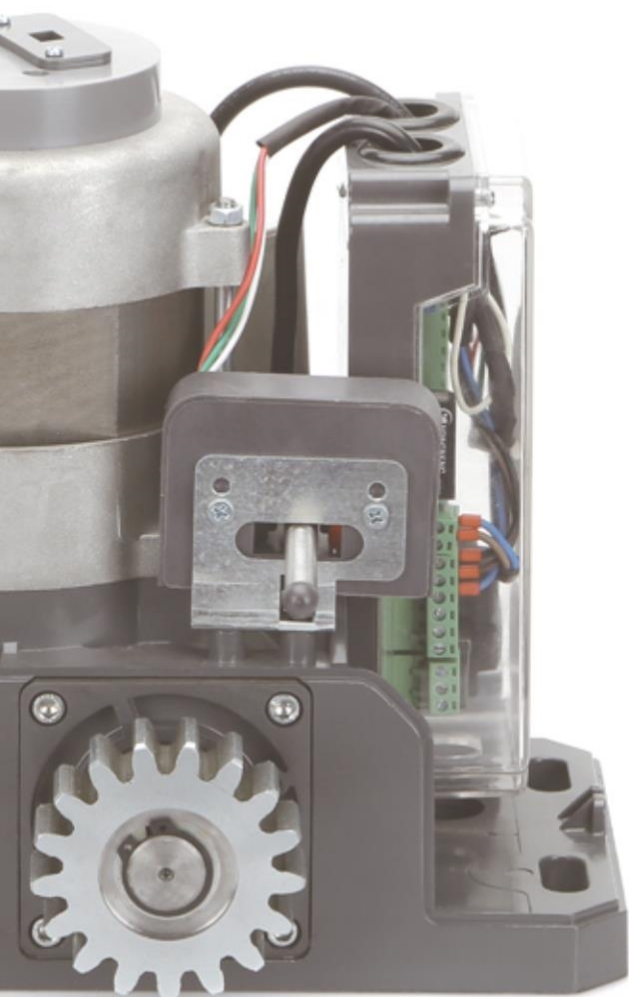


Product characteristics

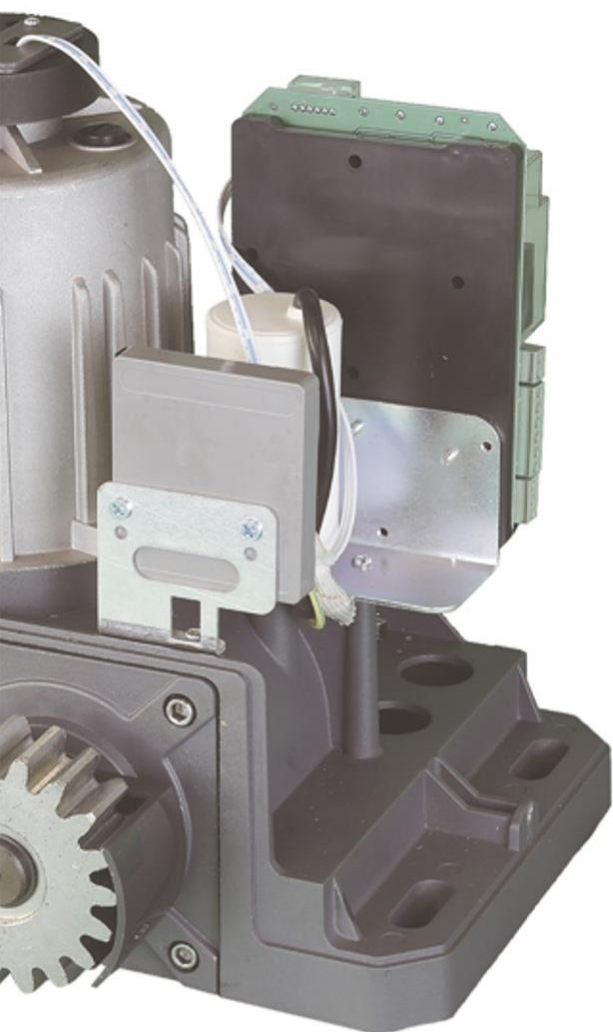
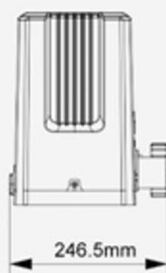
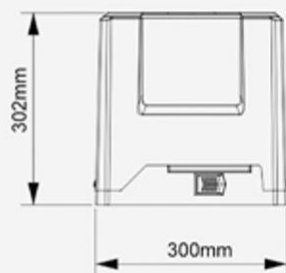
- AC motor with built-in control unit.
- Keypad/external button interface.
- Alarm lamp, photo beam & safety beam interface.
- Auto-close function.
- Soft start and slow stop function.(Smart version)
- Auto-reverse function when hitting obstacle during gate closing.
- Manual release key design for emergency purpose.
- Whole series with chain drive available.

Main technical parameters

Unit Model	SL1000AC	SL1500AC	SL2000AC	
Power Supply	AC220V/50Hz : AC110V/60Hz			
Maximum Loading Weight	1000KG	1500KG	2000KG	
Motor Power	400W	550W	750W	
Output Shaft Height	50mm			
Limit Switch	magnetic limit switch or spring limit switch			
Gate Movina Speed	11~13m/min			
Remote Control Range	≥ 30m			
Recording of Up Remotes	20			
Remote Frequency	433.92MHz			
Work Duty	S2 20min			
Working Noise	≤ 60dB			
Working Temperature	-20°C~70°C			
Driving Mode	Gear/Chain			
Package Weight	13.00KG	15.00KG	16.00KG	17.00KG



1200-2500KG



Product characteristics

- AC motor with built-in control unit.
- Keypad/external button interface.
- Alarm lamp, photo beam & safety beam interface.
- Auto-close function.
- Soft start and slow stop function.(Smart version)
- Auto-reverse function when hitting obstacle during gate closing.
- Manual release key design for emergency purpose.
- Whole series with chain drive available.

Main technical parameters

Unit Model	PY1200AC	PY1800AC	PY2500AC
Power Supply	AC220V/50Hz : AC110V/60Hz		
Maximum Loading Weight	1200KG	1800KG	2500KG
Motor Power	450W	600W	850W
Output Shaft Height	50mm		
Limit Switch	magnetic limit switch or spring limit switch		
Gate Movina Speed	11~13m/min		
Remote Control Range	≥ 30m		
Recording of Up Remotes	20		
Remote Frequency	433.92MHz		
Work Duty	S2 20min		
Working Noise	≤ 60dB		
Working Temperature	-20°C~70°C		
Driving Mode	Gear/Chain		
Package Weight	16KG	17KG	17.5KG

SLIDING

SWING

FOLDING

GARAGE

INDUSTRIAL

HIGH SPEED

BARRIER GATE

ACCESSORY

3000KG 4000KG



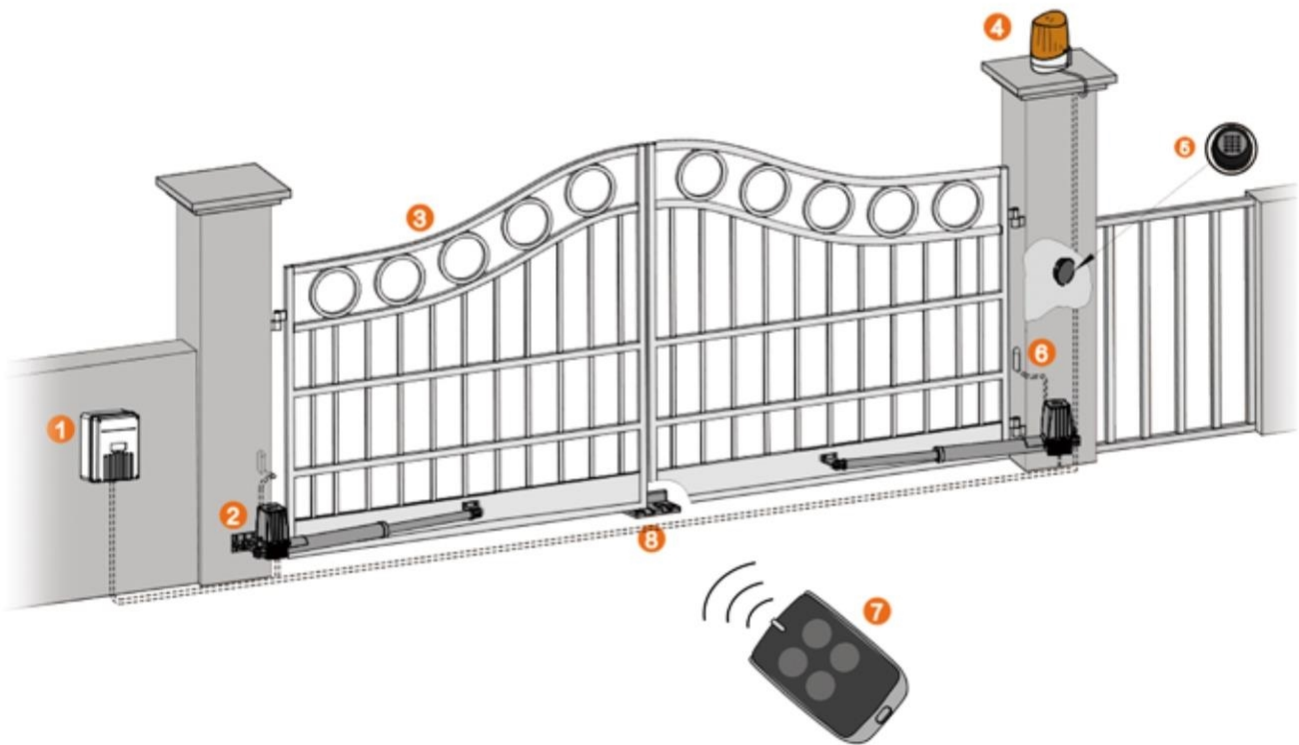
Product characteristics

- Frequency inverter control unit.
- Keypad/external button interface.
- Alarm lamp, photo beam & safety beam interface.
- Auto-close function.
- Soft start and slow stop function.
- Auto-reverse function when hitting obstacle during gate closing.
- Manual release key design for emergency purpose.

Main technical parameters

Unit Model	SL3000BP	SL4000BP
Power Supply	220V	380V
Maximum Loading Weight	3000KG	4000KG
Motor Power	1500W	
Control Model	frequency inverter	
Maximum Output Torque	220N.m	
Limit Switch	encoder	
Gate Moving Speed	10m/min	
Remote Control Range	≥30min	
Work Duty	S2,20min	
Working Noise	≤60dB	
Working Temperature	-20°C ~ 50 °C	

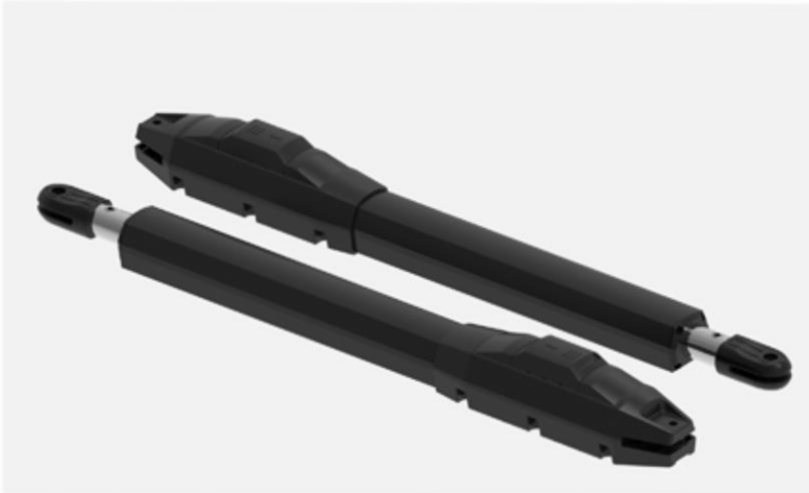




- 1** CONTROL UNIT
- 2** GATE OPENER
- 3** SWING GATE
- 4** ALARM LAMP (OPTIONAL)

- 5** WIRELESS KEYPAD (OPTIONAL)
- 6** INFRARED SENSOR (OPTIONAL)
- 7** REMOTE CONTROL
- 8** SAFETY STOPPER

200KG



Product characteristics

- DC motor, support backup battery.
- Optional single/double gate mode.
- No limit switch, stop in obstacle ,need gate block .
- Automatic closing function with adjustable time(0~995).
- Slow start and stop, smooth operation, no inertia.
- Manual release design for emergency purpose.
- Alarm lamp, photo beam&safety beam interface.
- Support access control system to realize automatic identification and access control.



Main technical parameters

Unit Model	SW200DC
Power Supply	AC220V/50Hz;AC110V/60Hz
Maximum Loading Weight	200KG/Leaf
Motor Power	DC24V/40W
Driving Method	screw driven piston type
Limit Switch	electromechanical limit switch
Max.Single-Leaf Length	2.5m
Gate Moving Speed	2cm/sec.
Remote Control Range	≥ 30m
Recording of Up Remotes	32
Remote Frequency	433.92MHz
Work Duty	S2 30 min
Working Temperature	-20°C ~70°C



300KG



Product characteristics

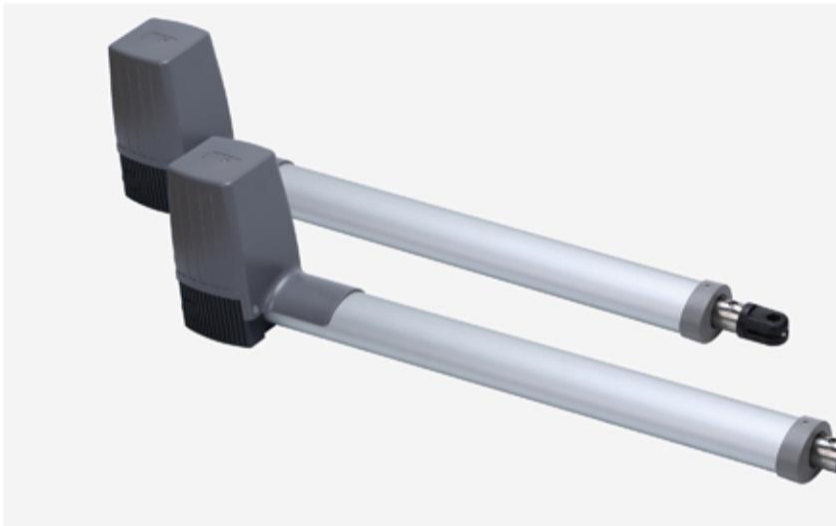
- DC motor, backup battery DC24V(4.5AH/9.0AH) is optional.
- Optional single/double gate mode.
- No limit switch, stop in obstacle, need gate block
- Automatic closing function with adjustable time(0 ~ 99S).
- Slow start and stop, smooth operation, no inertia.
- Manual release design for emergency purpose.
- Alarm lamp, photo beam&safety beam interface.
- Support access control system to realize automatic identification and access control.



Main technical parameters

Unit Model	SW300DC
Power Supply	AC220V/50Hz;AC110V/60HZ
Maximum Loading Weight	300KG/Leaf
Motor Power	DC24V/50W
Driving Method	Screw driving piston type
Limit Switch	electromechanical limit switch/hall sensor
Max.Single-Leaf Length	3.0m
Gate Moving Speed	2.5 cm/sec.
Remote Control Range	> 30m
Recording of Up Remotes	32
Remote Frequency	433.92MHZ
Work Duty	S2 30 min
Working Temperature	-20°C~70°C



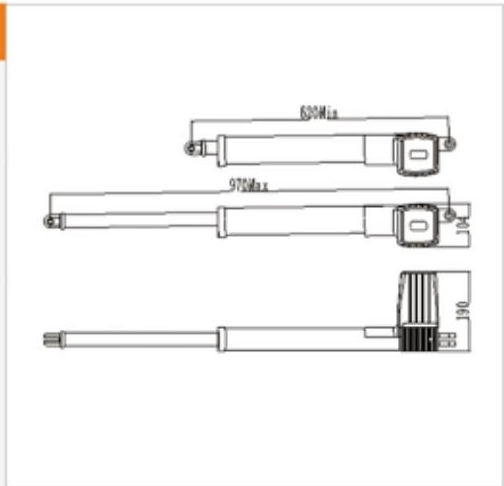


300KG



Product characteristics

- DC motor, compact structure, smooth operation and low noise.
- Optional for stroke length 34cm and 54cm
- External control box.
- Keypad/single button interface.
- Alarm lamp, photo beam & safety beam interface.
- Optional auto-close function.
- Manual release key design for emergency purpose.



Main technical parameters

Unit Model	PK300DC	PK350DC
Power Supply	AC220V/50Hz; AC110V/60Hz	
Maximum Loading Weight	300 KG/Leaf	
Motor Power	DC24V/80W	
Driving Method	screw driven piston type	
Limit Switch	electromechanical limit switch	
Max. Single-Leaf Length	2.5m	3.0m
Gate Moving Speed	20 second per 90 angle (approx)	
Remote Control Range	≥ 30m	
Recording of Up Remotes	25	
Remote Frequency	433.92MHz	
Work Duty	S2 30 min	
Working Temperature	-20°C ~70°C	
Package Weight	15.6KG	17.2KG

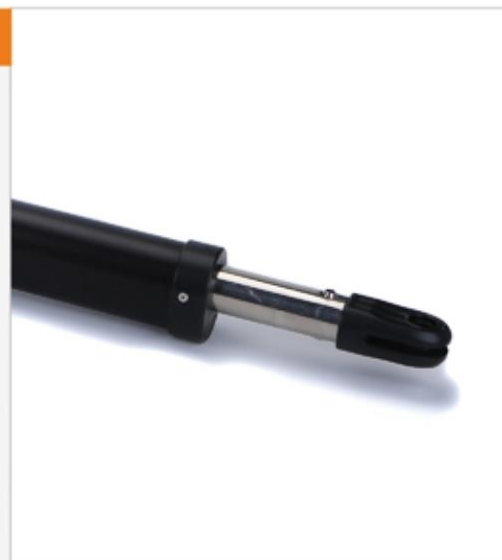


400KG



Product characteristics

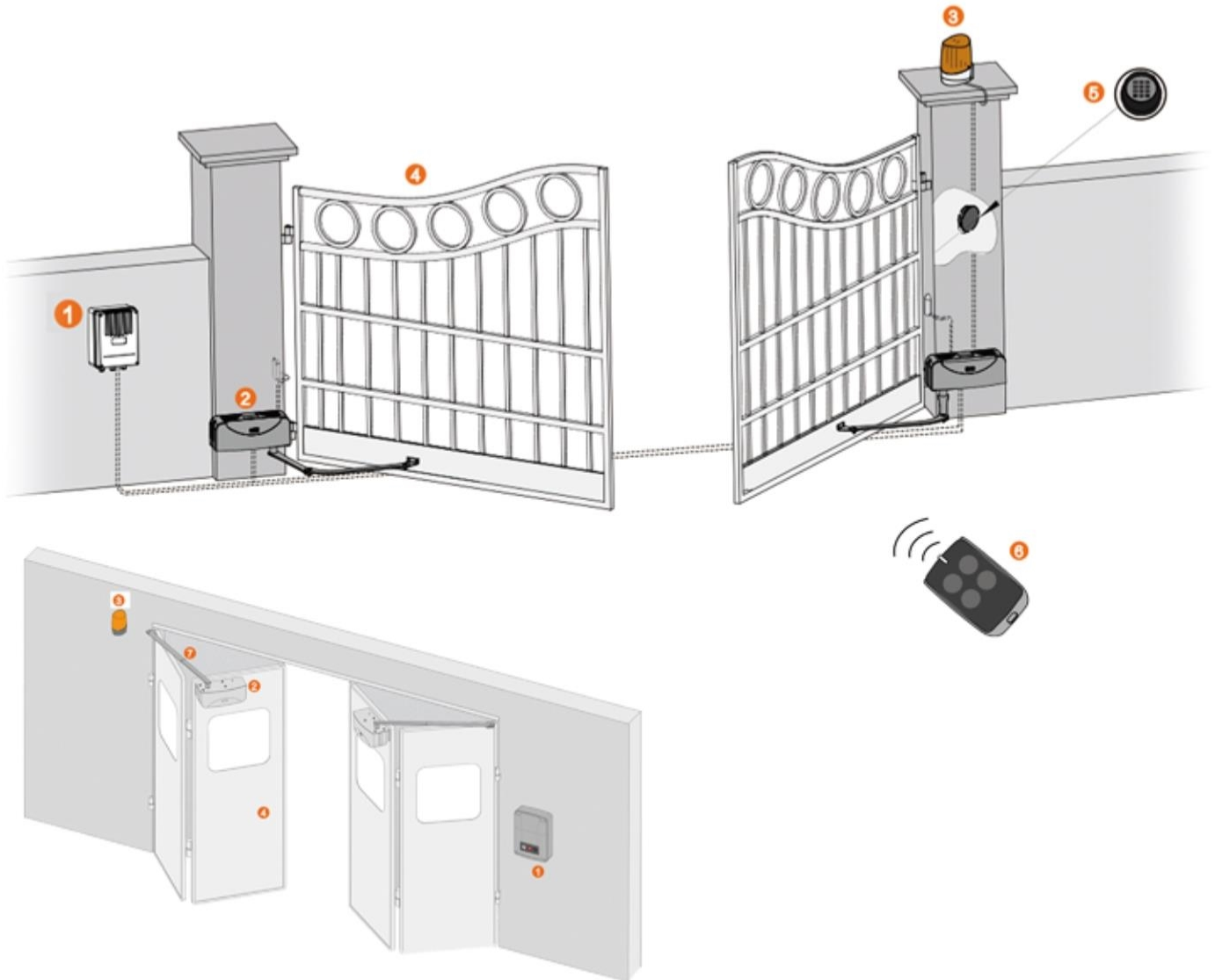
- DC motor, compact structure, smooth operation and low noise.
- Stroke length 45cm.
- External control box.
- Keypad/single button interface.
- Alarm lamp, photo beam & safety beam interface.
- Optional auto-close function.
- Manual release design for emergency purpose.



Main technical parameters

Unit Model	SW400DC
Power Supply	AC220V/50Hz; AC110V/60Hz
Maximum Loading Weight	400KG/Leaf
Motor Power	DC24V/60W
Driving Method	screw driven piston type
Limit Switch	electromechanical/hall sensor
Max. Single-Leaf Length	3.0m
Gate Moving Speed	2cm/sec.
Remote Control Range	≥30m
Recording of Up Remotes	25
Remote Frequency	433.92MHz
Work Duty	S2 30 min
Working Temperature	-20°C~70°C





1 CONTROL UNIT

2 GATE OPENER

3 ALARM LAMP (OPTIONAL)

4 SWING GATE/INDUSTRIAL FOLDING GATE

5 WIRELESS KEYPAD (OPTIONAL)

6 REMOTE CONTROL

7 CRANK ARM/CONNECTING ROD



400KG

Product characteristics

- Available for installing 2 openers with a single control box.
- Integrated mechanical limit switch that permits to eliminate the ground stops.
- 30 seconds travel time protection in case of mechanical limit switch failure.
- Optional auto-close function.
- Soft start and slow stop function, smooth operation and low noise.
- Automatic learning for remote control.
- Keypad/external button interface.
- Alarm lamp, photo beam & safety beam interface.
- Manual release design for emergency purpose.



Main technical parameters

Unit Model	PK400AC
Power Supply	AC220V/50Hz;AC110V/60Hz
Maximum Loading Weight	400KG/Leaf
Motor Power	260W
Limit Switch	mechanical limit switch
Max.Single-Leaf Length	3.0 m
Gate Moving Speed	9-11degrees angle/sec.
Remote Control Range	>30m
Recording of Up Remotes	25
Remote Frequency	433.92MHz
Work Duty	52 15 min
Working Temperature	-20°C~70°C
Package Weight	Motor 26 KG, Control unit 2 KG





400KG

Product characteristics

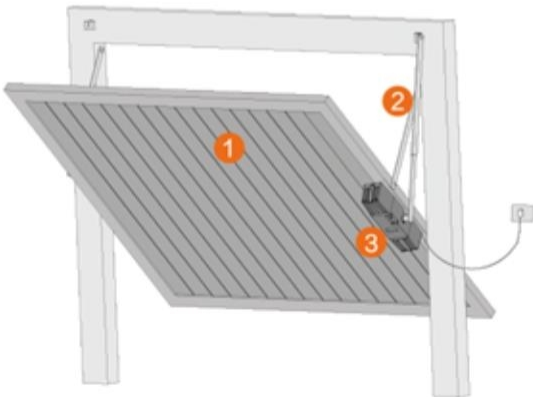
- Available for installing 2 openers with a single control box.
- Integrated mechanical limit switch that permits to eliminate the ground stops.
- 30 seconds travel time protection, in case of mechanical limit switch failure.
- Optional auto-close function.
- Soft start and slow stop function, smooth operation and low noise.
- Automatic learning for remote control.
- Keypad/single button interface.
- Alarm lamp, photo beam & safety beam interface.
- Manual release design for emergency purpose.



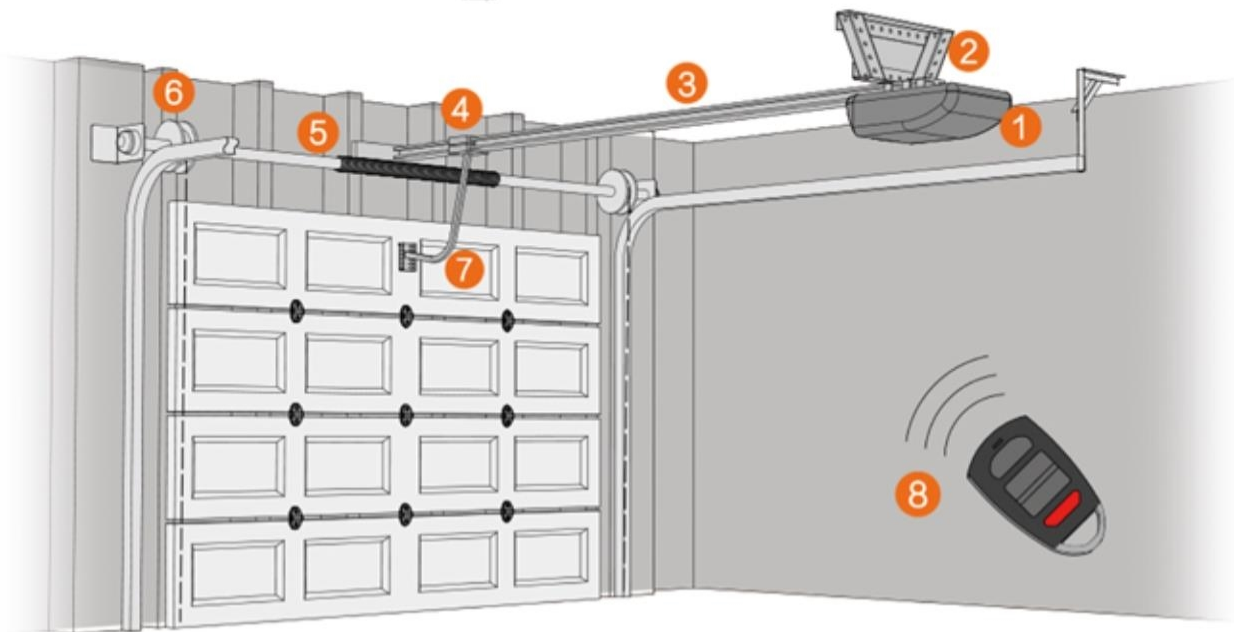
Main technical parameters

Unit Model	PK400ZD
Power Supply	AC220V/50Hz;AC110V/60Hz
Maximum Gate Weight	400KG/Leaf
Motor Power	260W
Limit Switch	mechanical limit switch
Max.Single-Leaf Length	3.0m
Gate Moving Speed	10 second per 90 angle (approx.)
Remote Control Range	≥30m
Recording of Up Remotes	25
Frequency	433.92MHz
Work Duty	52 15min
Working Temperature	-20°C ~70°C





- 1** GARAGE DOOR
- 2** ROD SHEATH&SLIDING ROD
- 3** DOOR OPENER



- | | |
|--------------------------|-------------------------|
| 1 DOOR OPENER | 5 TORSION SPRING |
| 2 SUPPORT BRACKET | 6 CABLE DRUM |
| 3 GUIDE RAIL | 7 CONNECT ARM |
| 4 PULLEY | 8 REMOTE CONTROL |

300KG

Product characteristics

- Built in control unit with 433.92MHz receiver.
 - Built in LED courtesy light.
 - Keypad/single button interface.
 - Alarm lamp, photo bear & safety beam interface.
 - Mechanical limit switch.
 - Manual key release des on for emergency purpose
- Installation accessories with pull rod and bush.



Main technical parameters

Unit Model	CK300AC
Power Supply	AC220V/50Hz:AC110V/60Hz
Motor Power	260W
Output Torque	350N.m
Door Area	9 Sq.m
Limit Switch	mechanical limit switch
Gate Moving Speed	1.8+0.2r/min
Remote Control Range	> 30m
Recording of Up Remotes	25
Frequency	433.92MHZ
Work Duty	S2 15min
Working Temperature	-20°C - 70°C
Package Weight	1400KG

**800N
1000N
1200N**



Product characteristics

- Brand-new appearance, remarkable performance and easy installation.
- Built-in LED courtesy light, backup battery available.
- Partial open adjustable, soft start-slow stop for safety.
- C mode/T mode rail optional, opening height up to 2400-3500mm.
- Chain drive belt drive available.
- Available for pre-assembled tracks: 2 parts & 1.5m/pc & 3 parts: 1m/pc, total length 3m.

Main technical parameters

Unit Model	PD800	PD1000	PD1200
Power Supply	AC110V/50Hz AC220V/30Hz		
Output Torque	800N 1000N 1200N		
Max. Door Area	10m ²	15m ²	18 ²
Max. Door Weight	80KG	100KG	130KG
Opening / Closing Speed	160mm / Second		
Limit Switch	electronic limit switch		
Drive Mechanism	chain / belt		
Working Temperature	-40°C ~ +50°C		
LED	24V / 15pcs LED bulbs		
Remote Frequency	433.92MHz		





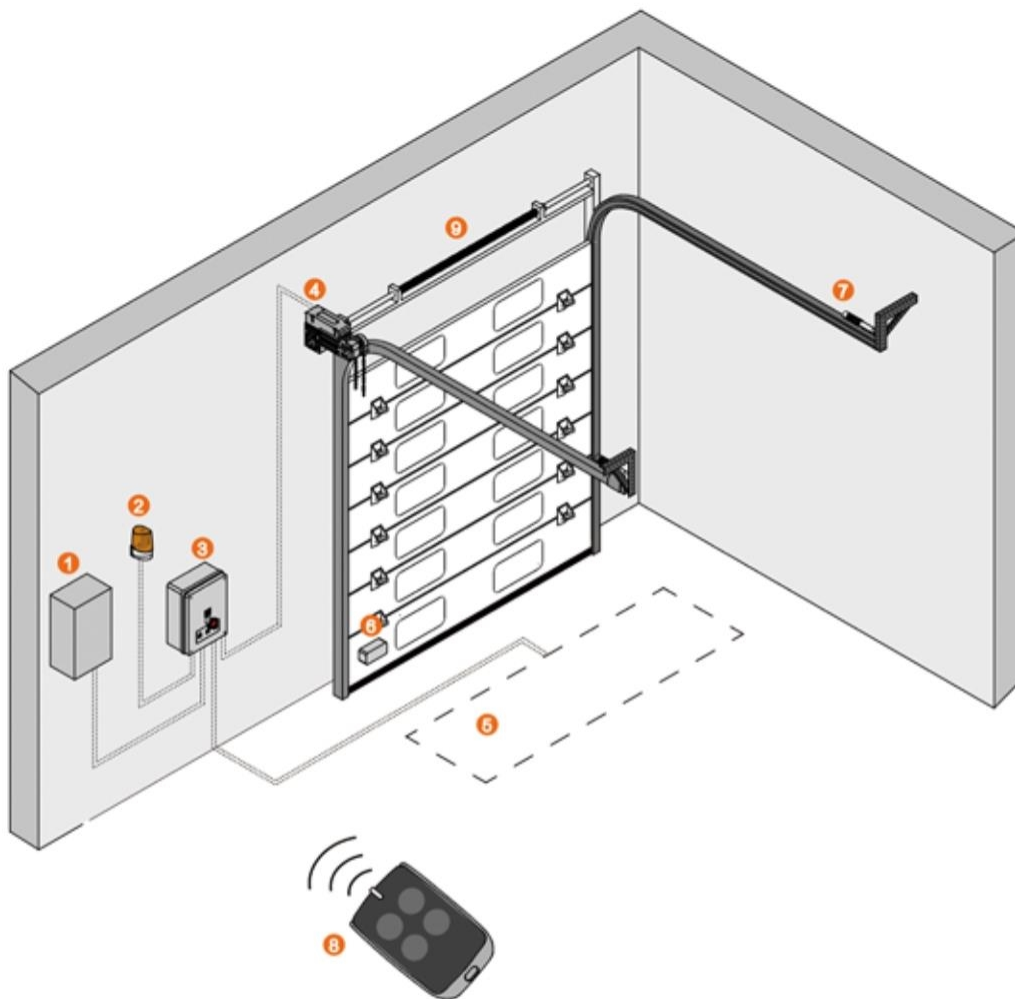
Ph. No: +974-66885169

Email: info@ibnfirnas.online

Website: www.ibnfirnas.online

Address: Post Box 35170, Street 50, Industrial Area, Doha Qatar

- 1 POWER DISTRIBUTION BOX
- 2 ALARM LAMP (OPTIONAL)
- 3 CONTROL UNIT
- 4 DOOR OPENER
- 5 LOOP DETECTOR (OPTIONAL)
- 6 SAFETY AIR SENSOR (OPTIONAL)
- 7 BUFFERED DEVICE (OPTIONAL)
- 8 REMOTE CONTROL
- 9 BALANCE SPRING



40-150N.m



Product characteristics

- Oil immersed gear, durable aluminum alloy casing
- Optional for built in control board or external control unit, integrated receiver.
- Keypad/single button interface.
- Alarm lamp, photo beam & safety beam interface.
- Self-locking structure, mechanical limit switch.
- Standard output shaft aperture dia. 25.40mm, using metal adapter can transfer to dia. 40.00mm.
- Hand chain manual release systems for emergency purpose.



Main technical parameters

Unit Model	INDUS40	INDUS60	INDUS100	INDUS60S	INDUS100S	INDUS150S
Motor Power	AC220V±10%			AC380V±10%		
Output Torque	300W	400W	550W	400W	550W	750W
Door Area	20 Sq.m	30 Sq.m	35 Sq.m	30 Sq.m	35 Sq.m	45 Sq.m
Motor Size	232×151×368mm					
Limit Switch	Mechanical limit switch					
Output Shaft Aperture	Φ25.4 mm					
Reduction Ratio	58: 1					
Remote Control Range	≥30m					
Recording of Up Remotes	25					
Remote Frequency	433.92MHz					
Work Duty	S2 15 min					
Working Temperature	-20°C~70°C					
Package Weight	Motor 14KG, Control unit 3KG					

40-150N.m



Product characteristics

- Digital interface man-machine interactive control system;
- The line number identification and the control port are connected in one-to-one correspondence, and the wiring is convenient and fast;
- Precise electronic limit to avoid climbing and debugging;
- 5 major items, 38 small items parameter setting menu, you can personalize each parameter;
- 7 fault outputs to monitor the system running status at any time;
- The system has the function of over-limit protection to prevent the door from overshooting;
- The system supports programmable multi-function output to realize interconnection with external devices.

Main technical parameters

Model	INDUS40E	INDUS60E	INDUS100E	INDUS60SE	INDUS100SE	INDUS150SE
Power Supply	AC220V±10%			AC380V±10%		
Rated power	300W	400W	550W	400W	550W	750W
Torque	40N.m	60N.m	100N.m	60N.m	100N.m	150N.m
Max. gate area	20 Sq.m	25 Sq.m	35 Sq.m	30Sq.m	40Sq.m	50Sq.m
No-load Rotation Speed	24r/min					
Maximum Limit Travel	Output shaft rotates 20 rounds					
Reduction Ratio	1:58					
Noise	≤55dB					
Output Shaft Diameter	Φ25.4mm					
Encoder type	Electronic Limit					
Lubricating System	Oil-immersed					
Hand Release Device	Hand-pilled Chain					
Environment Temperature	-20°C~ +50°C					
Main engine Dimension	232x151x368mm					
Main engine Weight	14Kg					

40-150N.m



Product characteristics

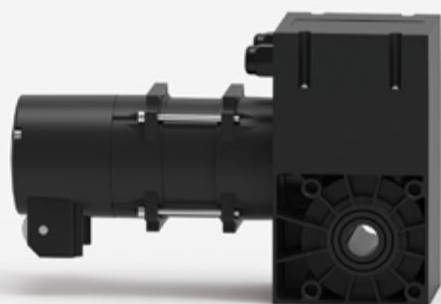
- Slow motor heating, long continuously working time.
- Electric limit switch, easy and accurate to set the limit position.
- Soft start-slow stop, smooth door running.
- Adjustable running speed, maximum output speed up to 50rpr.
- Menu-typed LCD control, easy to operate.
- Quick connector between machine and control unit to avoid faulty wiring.



Main technical parameters

Unit Model	INDUS50DC	INDUS70DC	INDUS100DC	INDUS150DC
Power Supply	AC220V±10%			
Motor Power	450W	600W	800W	1000W
Max. Output Torque	50N.m	70N.m	100N.m	150N.m
Output Speed Range	10~50RPM adjustable	10~50RPM adjustable	10~40RPM adjustable	8~30RPM adjustable
Max. RPM	3000RPM			
Limit Travel	Output shaft rotates 19 rounds			
Encoder Type	Absolute value of single cycle			
Reducer Lubricating System	Liquid oil lubrication			
Manual/Auto Switch	Pull cord switch			
Manual Release	Hand-pulled chain			
Max.Loading (Door Area)	20m ²	30m ²	40m ²	50m ²
Working Temperature	-20°C~50°C			

30-100N.m



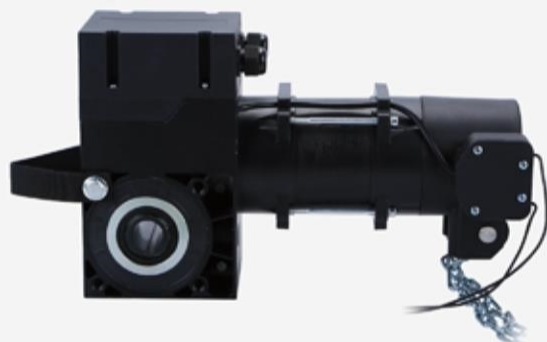
Product characteristics

- Complete specifications, almost covers the driving requirements of small-medium sizes' industrial sectional doors in the current mainstream market.
- Upgrade frameless motor design, upmarket appearance and reasonable structure.
- Aluminum alloy surface with spray treatment improves the quality, makes the whole unit durable and reliable.
- Alarm lamp , photo beam & safety beam interface.
- Convenient Manual/Auto switch mechanism improves the safety in use.
- High-end new type control box highlights the extraordinary quality.

Main technical parameters

Unit Model	AC220V±10%			AC380V±10%	
	GK30	GK40	GK100	GK60S	GK100S
Power supply					
Rated Power	230W	300W	550W	400W	550W
Startup Torque	30N.m	40N.m	100N.m	60N.m	100N.m
Max. Loading Door Area	15m ²	20m ²	35m ²	30m ²	40m ²
Unload Continuous Running	15min	15min	8min	15min	
Thermal Protection Temperature	120°C				
Reduction Mechanism	1: 58				
Unload Standard Revolution	24r/min				
Lubricate Method	Oil Lubrication				
Running Noise	≤55dB				
Power Failure Quick Release	Hand-pulled Chain				
Rapid Clutch	Optional				
Max. Limit Travel	Output Shaft Rotates 20 Rounds				
Output Shaft	Φ25.4mm				
Working Temperature	-20°C ~ +50°C				
Working Duty	S2-15min				
Protection Level	IP54				
Machine Size (mm)	220x110x350				
Weight (kg)	13				

30-100N.m



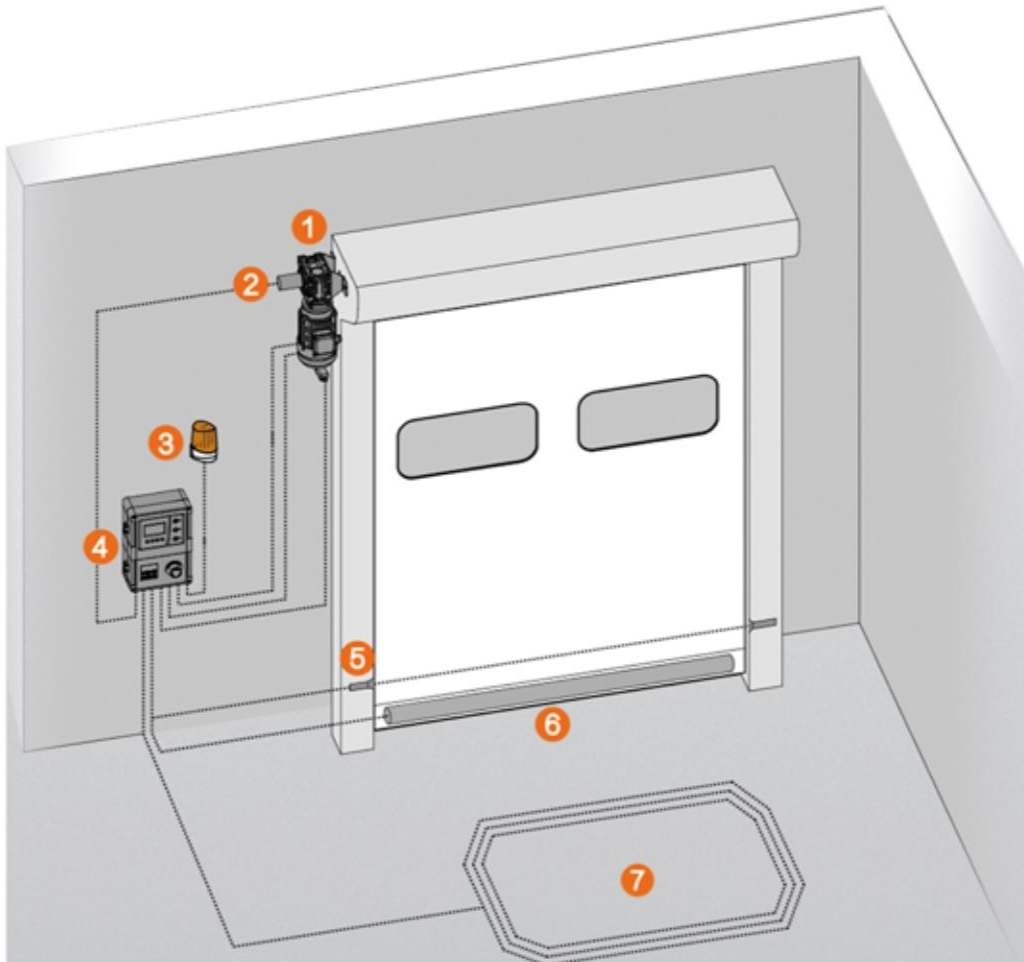
Product characteristics

- Digital interface man-machine interactive control system;
- The line number identification and the control port are connected in one-to-one correspondence, and the wiring is convenient and fast;
- Precise electronic limit to avoid climbing and debugging;
- 5 major items, 38 small items parameter setting menu, you can personalize each parameter;
- 7 fault outputs to monitor the system running status at any time;
- The system has the function of over-limit protection to prevent the door from overshooting;
- The system supports programmable multi-function output to realize interconnection with external devices.

Main technical parameters

Unit Model	GK30E	GK40E	GK100E	GK60SE	GK100SE
Power Supply	AC220V±10%			AC380V±10%	
Rated Power	230W	300W	550W	400W	550W
Torque	30N.m	40N.m	100N.m	60N.m	100N.m
Max. gate area	15m ²	20m ²	35m ²	30m ²	40m ²
No-load Rotation Speed	24r/min				
Maximum Limit Travel	Output shaft rotates 20 rounds				
Reduction Ratio	1:58				
Noise	≤55dB				
Output Shaft Diameter	25.4mm				
Encoder type	Electronic Limit				
lubricating System	Oil-immersed				
Hand Release Device	Hand-pilled Chain				
Environment Temperature	-20°C~ +50°C				
Main engine Dimension	220x110x350mm				
Main engine Weight	13 Kg				

- | | |
|--------------------------|----------------------------|
| 1 MOTOR | 5 PHOTOCELL (OPTIONAL) |
| 2 ABSOLUTE VALUE ENCODER | 6 SAFETY EDGE (OPTIONAL) |
| 3 ALARM LAMP (OPTIONAL) | 7 LOOP DETECTOR (OPTIONAL) |
| 4 CONTROL UNIT | |



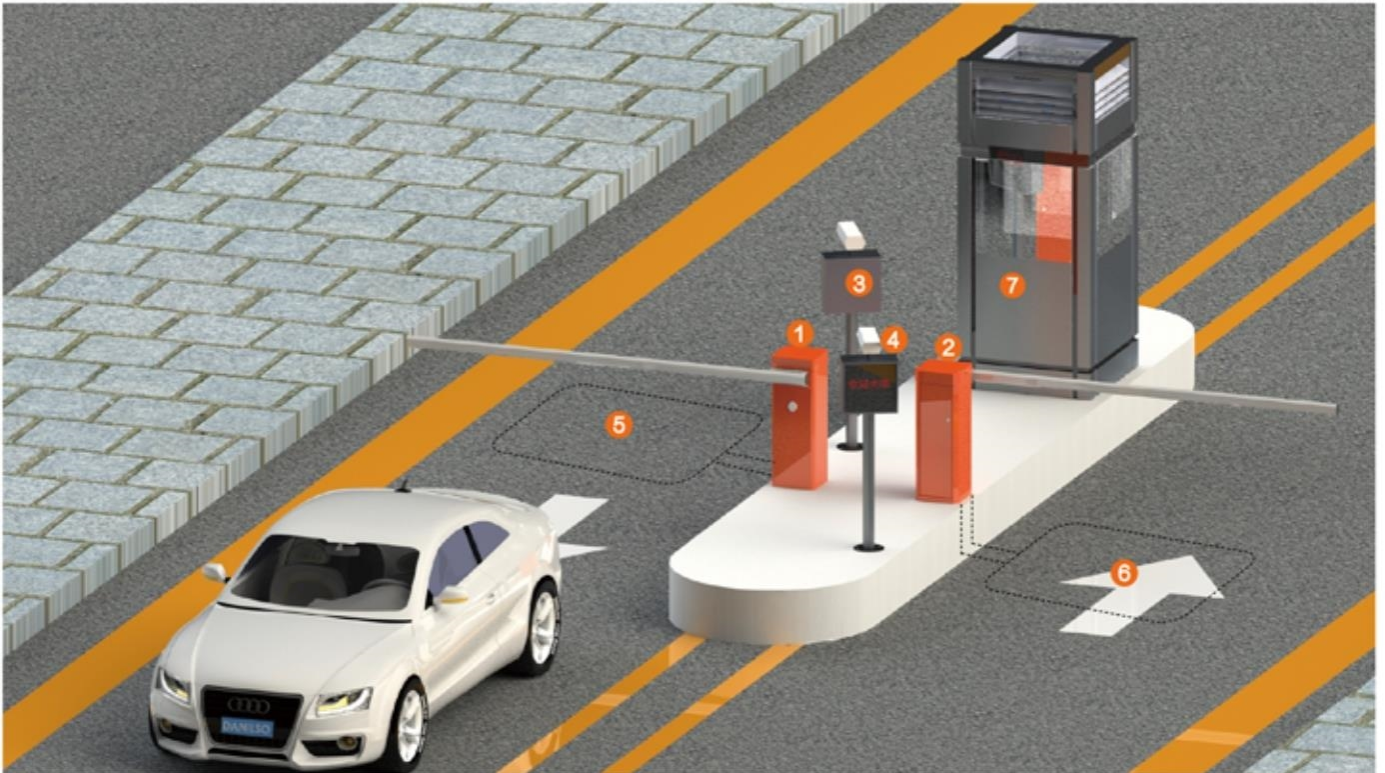


Product characteristics

- Frequency conversion motor by German technology.
- Frequency control unit, adjustable speed, max. to 2.0 m/sec.
- Strong output torque, high efficiency and low power consumption.
- The tin bronze worm gear box no wear, lower noise.
- Advanced brake systems, heat resistance grade F.
- Action time fast, high frequency of use. With high stability and reliability.

Main technical parameters

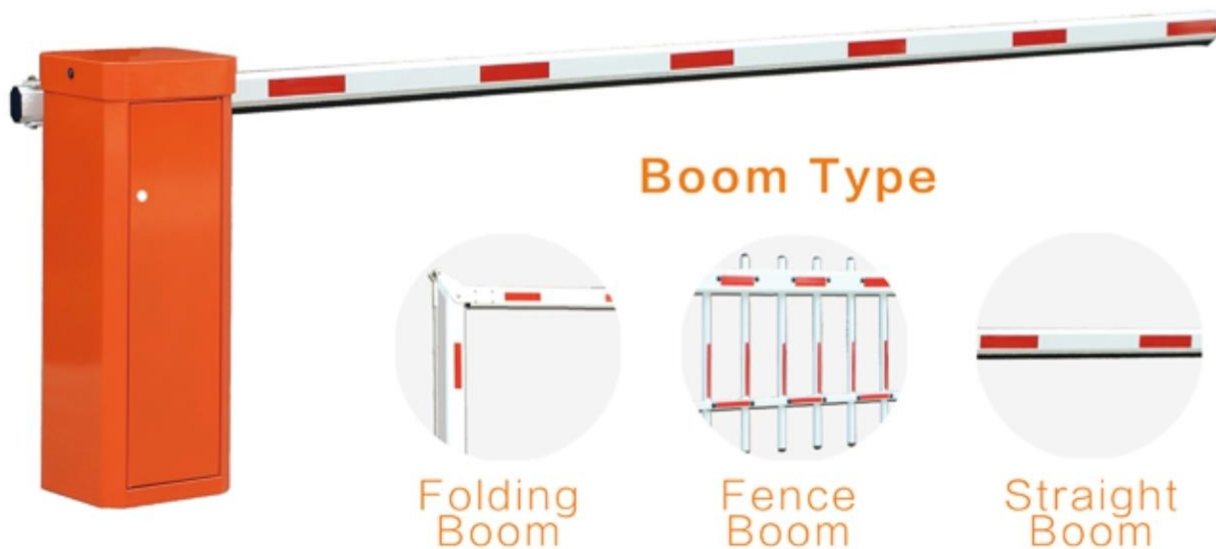
Unit Model	HSD750	HSD1500	HSD750S	HSD1500S
Power Supply	AC220V/50Hz		AC380V-AC400V	
Motor Power	750W	1500W	750W	1500W
Rated Speed	2800RPM			
Max Door Moving Speed	2m/S			
Max Door Surface	15 Sq.m	25 Sq.m.	30 Sq.m	50 Sq.m.
Control Voltage	DC24V			
Adjustable Frequency	0-100Hz			
Release Method	Hand Crank			
Reduction Ratio	20:1			
Working Temperature	-20°C~70°C			
Working Temperature	S3 25%			
Absolute Encoder	64 cycle			
Motor Weight	13KG	17KG	13KG	17KG
Control Unit Weight	10KG			



- 1 AUTOMATIC BARRIER GATE
- 2 AUTOMATIC BARRIER GATE
- 3 LPR SYSTEM
- 4 LPR SYSTEM

- 5 LOOP DETECTOR
- 6 LOOP DETECTOR
- 7 TOLL BOOTH

SERVO BARRIER GATE



Main technical parameters

Unit Model	BG2506	BG3009	BG4014	BG5025
Boom Length/Sectional Size	≤2.5m/Φ75mm	≤3.0m/Φ75mm Octagonal Boom 80×46 mm	≤4.0m/Φ75mm Octagonal Boom 80×46 mm	≤5.0m / Octagonal Boom 80×46 mm
Open/Close Time	0.6 sec	0.9 sec	1.4 sec	2.5 sec
Power	150W	100W		
Max Power Consumption (operating)	150W	100W		
Max Power Consumption (standby)	8W			
Power Supply	AC110-264V / 47-63HZ			
Control Voltage	24VDC/max.300mA			
Service Life	5-10 million times			
Motor Rated Speed	3000r/min			
Machine Case Thickness / Surface Treatment	2.0mm steel plate/outdoor electrostatic powder spraying			
Driving Method	Servo Motor + Planetary Reducer			
Protection Level	IP54			
Operating Temperature Relative Humidity	-40~+80°C / ≤ 90%			
Running Noise	< 50dB			
Machine Case Size	332×323×960 mm			
Package Size	383×499×1033 mm			
Weight	51 KG			

Product characteristics

● Efficient Servo Motor

Low power consumption servo motor enables the control speed and position accuracy up to their optimized.

Output power is 100W, energy conservation and environmental friendly.

● Precise Planetary Reducer Drive

Equipped with the same planetary reducer as industrial robots and industrial automation equipments: double planetary reducer.

High efficient and high accuracy, low friction resistance, low internal consumption, long service life.

● Advanced Servo Controlling System

Grasped core technology, with fast speed and high accuracy, genuinely realized the PID closed loop control between running speed and acceleration. Automatic self-check system will feedback the running condition, abnormal information to its supervisory control system, and will gradually realise the remote fault diagnosis.

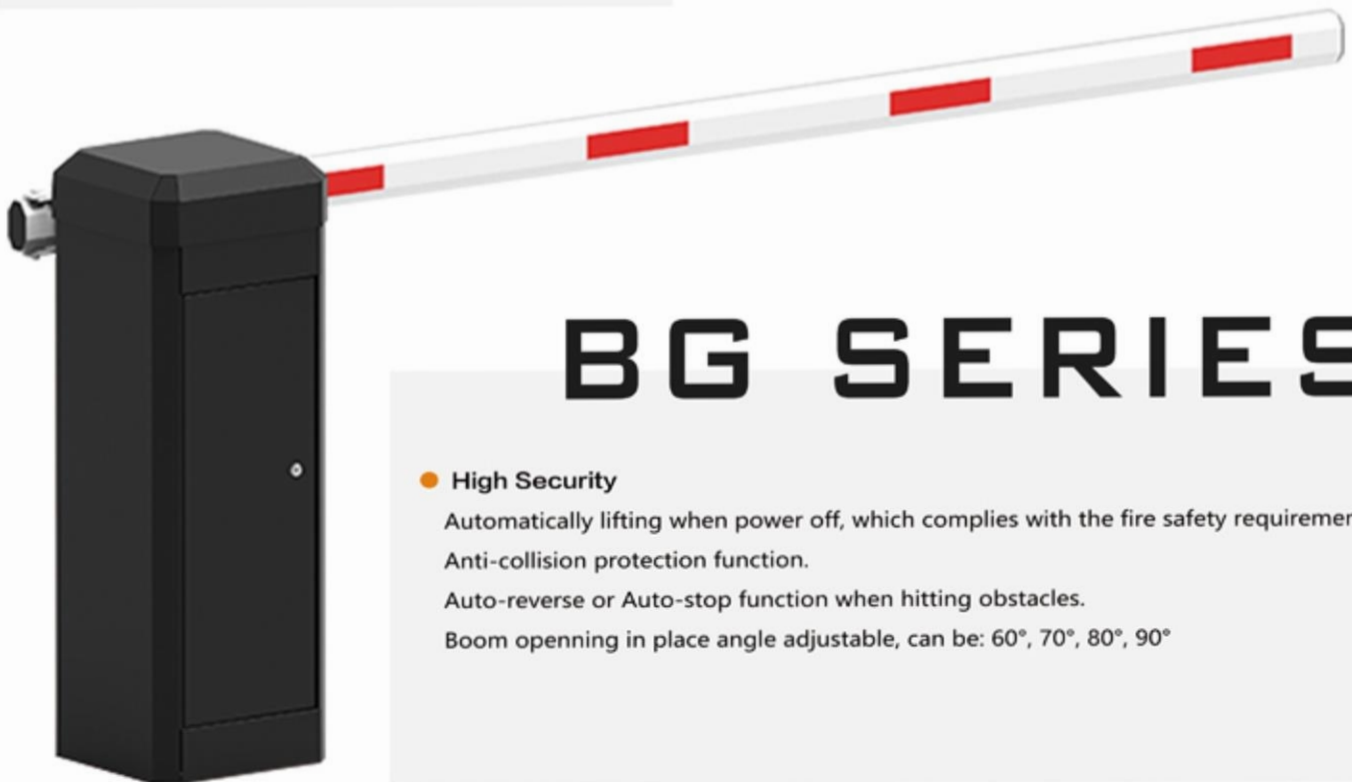
● Overturn the Traditional Barrier Gate

Without position sensor; without shock absorption rubber brick; without clutch device, automatically or manually lift the boom when power off; without keyway design, no more worries about hidden danger by the gap between key and keyway and the lever jitter problem; without brake design, no more worries about problem caused by brake wear and the resulting reliability problem.

● All-weather Adaptability

Power supply covering AC110V-264V/47Hz-63Hz. Working temperature from -40°C to 80°C. All-weather working, no matter in freezing cold winter or in scorching heat summer.

Connectable to DC24V battery, compatible with solar system, wind power. Perfectly suitable to areas with unstable power supply.



BG SERIES

● High Security

Automatically lifting when power off, which complies with the fire safety requirements.

Anti-collision protection function.

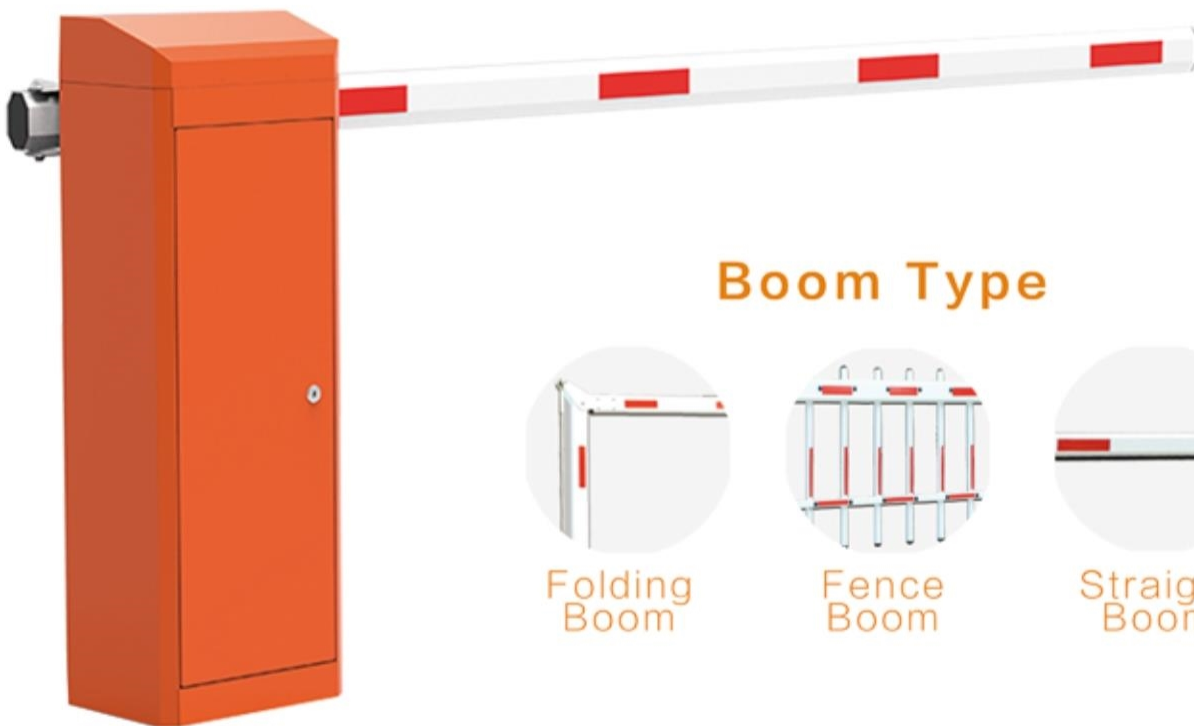
Auto-reverse or Auto-stop function when hitting obstacles.

Boom opening in place angle adjustable, can be: 60°, 70°, 80°, 90°

DC BRNSHLESS BARRIER GATE

Main technical parameters

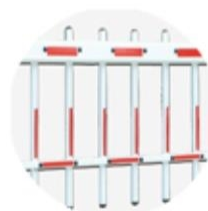
Unit Model	BC3015	BC4020	BC5035	BC6050
Boom Length / Sectional Size	Round boom $\varphi 75, \leq 3m$; Octagonal boom $80 \times 46, \leq 3m$	Round boom $\varphi 75, \leq 4m$; Octagonal boom $80 \times 46, \leq 4m$	Octagonal boom $100 \times 45, \leq 5m$	Octagonal boom $100 \times 45, \leq 6m$
Open/Close Time	1.5 sec	2.0 sec	3.5 sec	5.0 sec
Maximum Power	140W			
Power Supply	110-240V			
Machine Case Material	1.5mm steel plate			
Machine Case Size(W*D*H)/Net Weight	330 × 240 × 960mm/ 42kg			
Operating Temperature Range(°C)	-40~+60 °C (temperature under -20°C should be equipped with electric heating plate)			
Driving Method	Brushless DC motor			
Protection Level	IP54			
Insulation Class	F			
Relative Humidity	$\leq 85\%$			
Motor Unload Speed	1800r/min			
Service Life	5 million times			
Remote Control Distance	$\leq 30m$ (empty environment, sunny weather)			
Running Noise	$< 50dB$			
Surface Treatment	Outdoor metal powder			



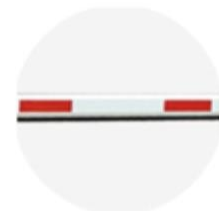
Boom Type



Folding Boom



Fence Boom



Straight Boom



BC SERIES

Product characteristics

- It adopts DC brushless motor, 24V safe working voltage, which breaks the traditional 220V power supply mode. Safer operation, lower noise; frequently use with low heating; motor power 140W, energy saving and environmental protection.
- Integrated movement, though small volume, strong energy; wall mounted installation, easy to assemble and disassemble.
- It adopts four-bar linkage mechanism which makes the boom soft start-slow stop operate quickly and steady without impact, effectively reducing both boom jitter and motor load, prolonging the service life of the barrier gate.
- Intelligently adjustable running speed (1.5s-6s) to realize intelligent variable speed, effectively reducing the boom jitter, meeting the requirements for different environment.
- With Auto-reverse function. The barrier boom will automatically open once meeting obstacles during its closing process.
- To activate the priority anti-smashing function, the barrier boom will perform the opening action as soon as the opening signal is received during its closing process.



ACCESSORIES



RT01



RT54



RT09



RT11



RT29



RT05



RT03



RT15



RT48



RT18



RT16



RT13



RT12



RT17



GSM2G/3G/4G



TUYA WIFI

SLIDING

SWING

FOLDING

GARAGE

INDUSTRIAL

HIGH SPEED

BARRIER GATE

ACCESSORY



GRM08/10/12/22
Galvanized gear rack



GRN04
Nylon gear rack



GRN06
Nylon gear rack



PB03-METAL
Push button for outside



PB03
Push button for inside



DE01
Infrared exit switch



DE02
Wall switch



IR01S
Photocell



IR02
Photocell



IR15
Photocell



AS01
Airbag sensor



LPH24
LPH10/LPH220
Alarm lamp



LPDCO/LPACO
Alarm lamp



YS415
Alarm lamp



EL01 Electric lock



DS10 Electric lock



BC01
DC charge controller



BTY4.5A/9A/12A
Battery box



BC02
Solar charge controller



SP20/40/60/100
Solar panel



DC Sliding gate opener control board



AC Sliding gate opener
control board



DC Swing gate opener
control board



WI-FI Remote control



Rolling code/Fix code
RCV03/RCV/05
Standalone receiver