



**CHISUNG INTELLIGENCE TECHNOLOGY CO., LIMITED**

Automatic Sliding Gate Opener





## CHISUNG INTELLIGENCE TECHNOLOGY CO., LIMITED

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<https://www.chisung.com.cn/>  
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Chisung is a leading high-tech enterprise specializing in the manufacturing and sales of security and protection products and services, based in Shenzhen, China. Our product line includes a wide variety of turnstiles such as Tripod Turnstiles, Full Height Turnstiles, Swing Turnstiles, Flap Turnstiles, Speed Turnstiles, Barrier Gates, Packing Locks, Swing Gate Motors/Opener, Sliding Gate Motors/Opener, Swing Door Operator, Sliding Door Operator, Road Blockers, Tyre Killers, and GSM Relay Controllers.

Our diverse range of products covers numerous models to meet various customer requirements. All Chisung products have passed CE, FCC, and ROHS certifications. We are committed to providing customers with innovative, high-quality products, services, and solutions. We also offer ODM and OEM services to create lasting customer satisfaction and value.

For over 17 years, Chisung has incorporated DC brushless And Servo motors in all our turnstiles and barrier gates. Our gate motor technology dates back to 1991, giving us over 30 years of production experience and more than 30 different types of gate motors. We possess our own molds, production equipment, and circuit board manufacturing facilities. By integrating advanced international and Chinese technologies, Chisung products are sold in more than 100 countries worldwide, with key markets in East and South Asia, Europe, North and South America, and Oceania.

We provide same-day responses and reliable support to our global clients, ensuring seamless and worry-free cooperation. Trust Chisung for professional and innovative security solutions.





## Automation for sliding gates

### CSPY-1800

Max. leaf weight	1800Kgs
Max. speed	12m/min
Use frequency	40%

#### Advantages.

- . Large load bearing AC motor
- . High cost performance



#### Technical specification:

Voltage	220V± 10%	110V± 10%
Frequency	50Hz	60Hz
Current	2.7A	5.8A
Motor voltage	AC 220V/110V	
Capacitor	20μ F	60μ F+14μ F
Max.gate weight	1800kg	
Power	350W	
Absorbed power	594W	638W
Torque	35nm	
Motor number	M=4	
Limit switch	Spring limit	
Inside Pinion	Pure copper	Pure copper
External gear	Galvanized steel	
Motor speed	1350rpm	1620rpm
Gear speed	58.8rpm	70.2rpm
Travel speed	11m/min	13.2m/min
Working temperature	-40°C~+55°C	
Overload protection temperature	130°C	
Relative humidity	<=90°C	
Motor making technique	Die casting aluminum alloy	
Manual Release	Yes	
Remote distance	Max 20m	





## Automation for sliding gates



CSPY-S1	
Max. leaf weight	500kgs/700kgs
Max. speed	12m/min
Use frequency	80%/40%

### Advantages

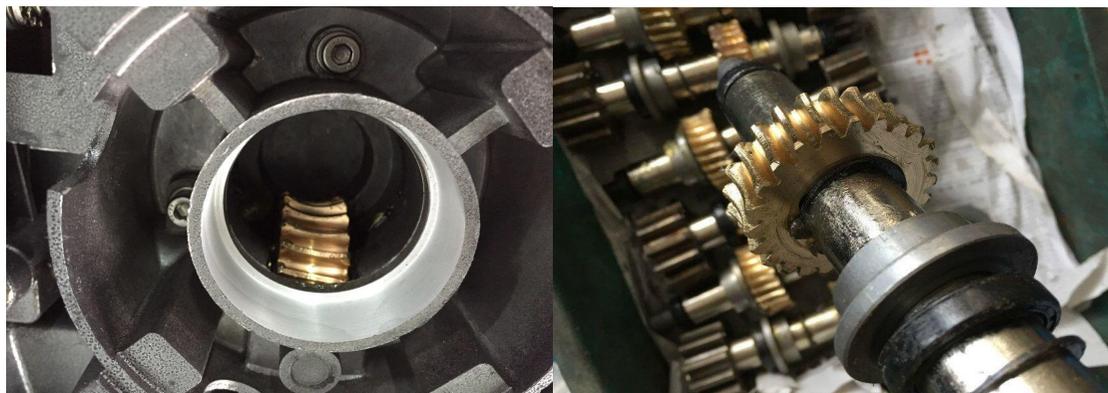
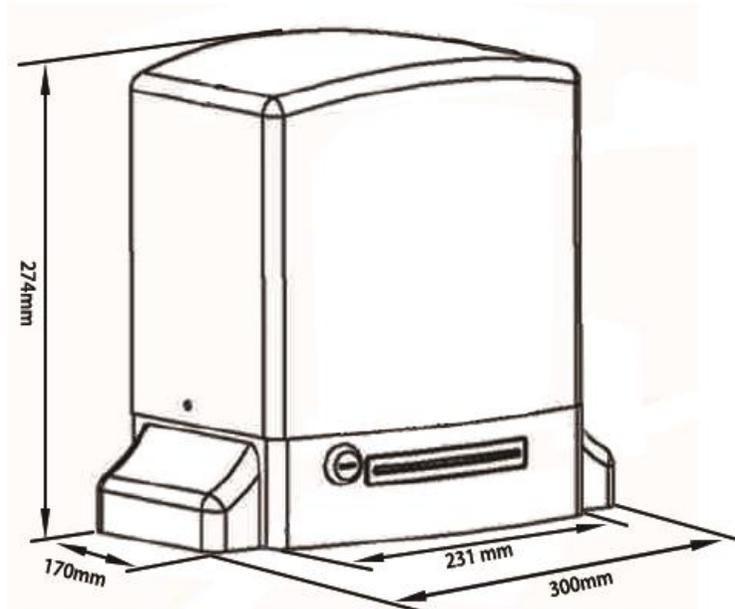
- .Bronze gear, highest reliability
- .Overall cast aluminum shell, more robust
- .Standard soft start and soft stop, can make the gate move smoothly

Technical specifications	CSPY-S1-12	CSPY-S1-220
Material	Copper turbine	Copper turbine
IP Rating	IP45	IP45
Leaf max weight (KG)	500kg	700kg
Leaf max leghth (m)	6m	6m
Working Frequency	80%	40%
Power Supply(V),Rated Absorbed power (w)	230VAC/50Hz	230VAC/50Hz
Electric motor	DC motor,DC12V,8A;120W	AC motor,220V,1.7A;380W
Limit switch	Spring limit/ magnet limit	Spring limit/ magnet limit
Limit switch quantity	2,Open door limit and close door limit	2,Open door limit and close door limit
Teeth gear	12 Teeth gear	12 Teeth gear
Motor Speed	1800RPM/MIN	1450RPM/MIN
Push force (N)	350N	550N
Max linear load free speed(m/sec)	12M/MIN	12M/MIN
Capacitor (uF)	/	8uF
Built in battery	not support	not support
External battery	DC12V: One or more 12V7ah / 9ah	not support
Remote control	30-50meters,433.92 MHz	30-50meters,433.92 MHz
Thermal Protection(°C)	140°C	140°C
Recovery temperature(°C)	-20°c-50°c	-20°c-50°c
Gross weight	12KG	12KG
Overall Dimensions(LxWxH)	300*170*274mm	300*170*274mm

<b>Irreversible</b>	
<b>Irreversible</b>	Motor irreversible, so no need to install power locks, power outage, the key can be used to pro a special rotating release device, manually operated control gates, steel and plastic rack gear rack or galvanized, to ensure that in a variety of adverse conditions normal operation, the ext-ernal material oxidation corrosion, suitable for any outdoor climate.
<b>Simple and reliable home automation system</b>	CSPY-S1 Set indudes a built—in electric gear motors and wiring control panels and protection devices, accelerated the installation of speed, reduced costs, making installation more convenient, you can drive weighs up to 700KG .
<b>Safe and reliable</b>	Independent electronic control plastic prote -cllve case to ensure that the circuit boards from insects, dust rain, etc., and ensure lasting, safe anti-colisionprotection is provided by the built-in current sensor to protect the motor from damage In case of an accident.
<b>Low noise</b>	CSPY-S1 structure high precision, after repeated eximents continue to improve, continue to explore parts processing technology, the overall noise can achieve a very satisfactory result, S1 designed and manufactuedin accordance with European standards, reliable quality

Size:

Internal details





## Automation for sliding gates

<b>CSPY-S2</b>	
Max. leaf weight	1000Kgs
Max. speed	12m/min
Use frequency	40%/80%

### Advantages

- .Bronze gear, highest reliability
- .Overall cast aluminum shell, more robust
- .Standard soft start and soft stop, can make the gate move smoothly



### Irreversible

- .Low noise works silently
- .Can work in emergency mode during power failure
- .Mechanical or magnetic limit switch available
- .Self diagnosing and self learning strike

Technical specifications	CSPY-S2-12	CSPY-S2-220
Material	Copper turbine	Copper turbine
IP Rating	IP45	IP45
Leaf max weight (KG)	500kgs	500/700/1000kgs
Leaf max length (m)	6m	6m/7m/9m
Rated Absorbed power (w)	120W	380W
Working Frequency	80%	40%
Power Supply(V)	230VAC/50Hz	230VAC/50Hz
Electric motor	DC motor,DC12V,8A	AC motor,220V,1.7A
Limit switch	Spring limit/ magnet limit	Spring limit/ magnet limit
Limit switch quantity	2,Open door limit and close door limit	2,Open door limit and close door limit
Teeth gear	12 Teeth gear	12 Teeth gear
Motor Speed	1800RPM/MIN	1450RPM/MIN
Push force (N)	350N	550N/800N/1400N
Max linear load free speed(m/sec)	12M/MIN	12M/MIN
Capacitor (uF)	/	8uF/8uF/12uF
Built in battery	1pc12V.7/9ah battery (Optional)	not support
External battery	One or more 12v7 / 9ah batteries in parallel	not support
Remote control	30-50meters,433.92 MHz	30-50meters,433.92 MHz
Thermal Protection(°C)/Recovery temperature(°C)	140°C; -20°C-50°C	140°C; -20°C-50°C
Gross weight	12KGs	12KGs
Overall Dimensions(LxWxH)	300*170*274mm	300*170*274mm





## Automation for sliding gates

<b>CSPY-800DC</b>	
Max. leaf weight	800Kgs
Max. speed	12m/min
Use frequency	80%

### Advantages.

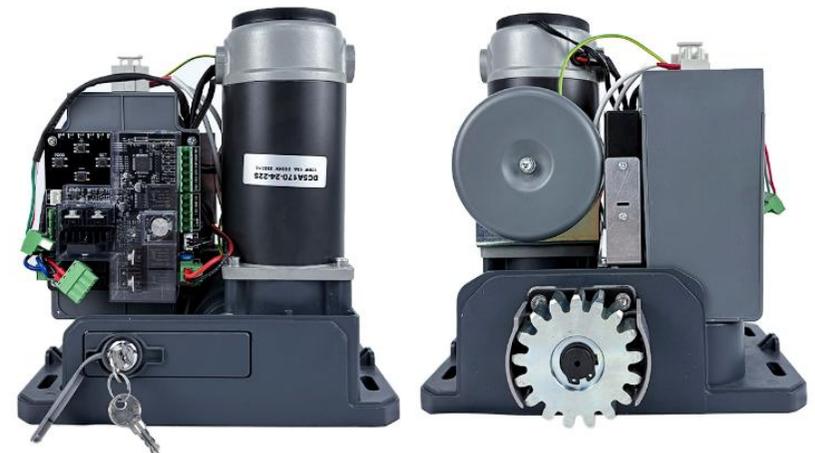
- . Simple \*atmospheric appearance
- . High cost performance

Technical parameters	
Model	<b>CSPY-800DC</b>
Power supply	220V/50Hz;110V/60Hz
Motor power	DC motor,DVC24V
Rated Absorbed power (w)	180W
Gate moving speed	16-18 m/min
Maximum weight of gate	800kgs
Leaf max leghth (m)	12m
Remote control distance	≥30m
Remote control mode	Single button mode / Three button mode
Limit switch	Magnetic limit switch
Built in battery	2pc12V.4.5Ah battery (Optional) in Series
External battery	two or more 12V 9ah batteries in parallel (Optional)
Noise	≤60dB
Working duty	S2 15min
Recording of up remote controls	25
Working duty	S2, 20min
Frequency	433.92 MHz encryption
Working temperature	-20°C ~ +70°C
Package weight	15.00Kg
Overall Dimensions(LxWxH)	261*211*280mm



### Irreversible

- .Designed for sliding gate weights up to 800kg, with length in 12m.
- .Built-in back up battery.
- .Adjustable speed and distance according to the installation.
- .Anti-clip function when meeting the obstacles.
- .Soft start-slow stop function.
- .Auto-close function.





## Automation for sliding gates



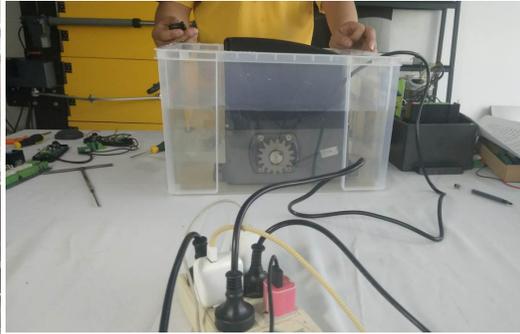
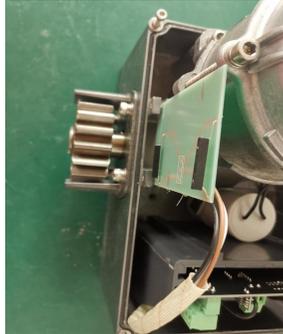
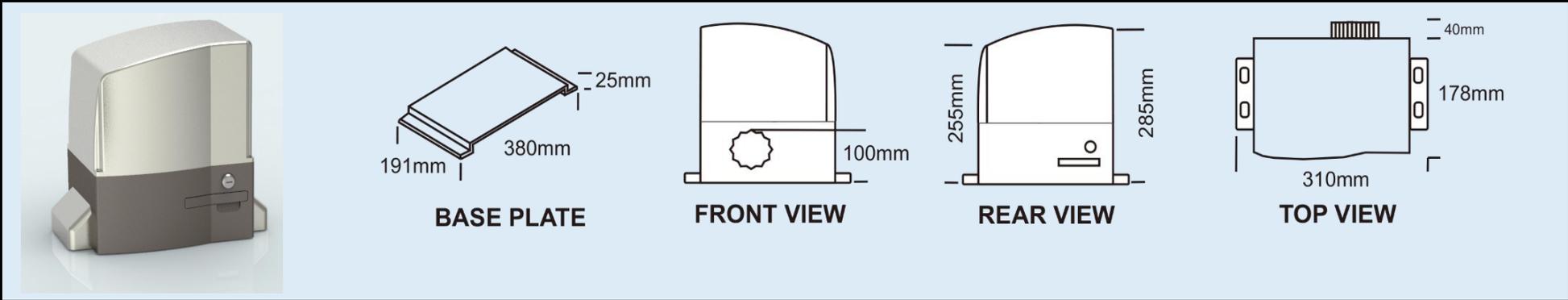
CSPY-S3	
Max. leaf weight	500kgs/700kgs/1000kgs
Max. speed	12m/min
Use frequency	40%/80%

### Advantages

- .Bronze gear, highest reliability
- .Overall cast aluminum shell, more robust
- .Standard soft start and soft stop, can make the gate move smoothly

Technical specifications	CSPY-S3-12	CSPY-S3-24	CSPY-S3-AC-700	CSPY-S3-AC-1000
<b>Material</b>	Copper turbine <b>Best-seller!</b>	Copper turbine	Copper turbine	Copper turbine
<b>IP Rating</b>	IP45	IP45	IP45	IP45
<b>Leaf max weight (KG)</b>	500kgs	500kgs	700kgs	1000kgs
<b>Leaf max leghth (m)</b>	6m	6m	7m	9m
<b>Rated Absorbed power (w)</b>	80W	80W	280W	550W
<b>Working Frequency</b>	80%	80%	40%	40%
<b>Power Supply(V)</b>	AC110V/220V	AC110V/220V	AC110V/220V	AC110V/220V
<b>Electric motor</b>	DC12V,7A	DC12V,3.5A	AC110V 3A/220V 1.5A	AC110V 5A/220V 2.5A
<b>Limit switch</b>	Spring limit/ magnet limit			
<b>Limit switch quantity</b>	2,Open door limit and close door limit			
<b>Teeth gear</b>	16 Teeth gear, Larger volume			
<b>Motor Speed</b>	1800RPM/MIN	1800RPM/MIN	1450RPM/MIN	1450RPM/MIN
<b>Push force (N)</b>	350N	350N	800N	1100N
<b>Max linear load free</b>	12M/MIN	12M/MIN	12M/MIN	12M/MIN
<b>Capacitor (uF)</b>	/	/	25uF/12uF	25uF/12uF

<b>Built in battery</b>	2pc 12V2.8AH (Optional)	2pcs 12V2.8AH battery in Series (Optional)	not support	not support
<b>External battery</b>	One or more 12v7 / 9ah batteries in parallel (Optional)	2pcs 12v7 / 9ah batteries in Series (Optional)	not support	not support
<b>Remote control</b>	30-50meters,433.92 MHz	30-50meters,433.92 MHz	30-50meters,433.92 MHz	30-50meters,433.92 MHz
<b>Thermal Protection(°C)</b>	140°C	140°C	140°C	140°C
<b>Recovery temperature(°C)</b>	-20°c-50°c	-20°c-50°c	-20°c-50°c	-20°c-50°c
<b>Gross weight</b>	15Kgs	15Kgs	17Kgs	17Kgs
<b>Overall Dimensions(LxWxH)</b>	310*178*285mm			
<b>Irreversible</b>				
<b>Perfectly waterproof</b>	<ul style="list-style-type: none"> <li>.Complying with current Standards on impact forces.</li> <li>.Can operate in emergency mode during power outages.</li> <li>.Self-diagnosing, self-learning strike.</li> <li>.Control board, with separate terminals and function-setting.</li> </ul>			
<b>Dip-switches</b>	<ul style="list-style-type: none"> <li>.On-board rolling code decoding.</li> <li>.Complete movement control and effective reverse on obstacle.</li> </ul>			
<b>Response</b>	.Magnetic Limit Switches.			





## Automation for sliding gates



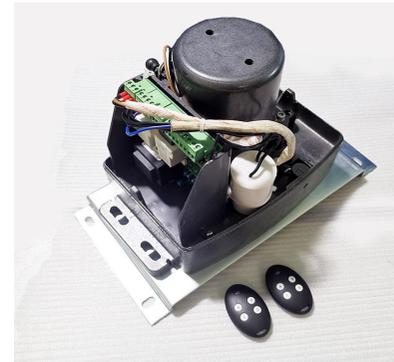
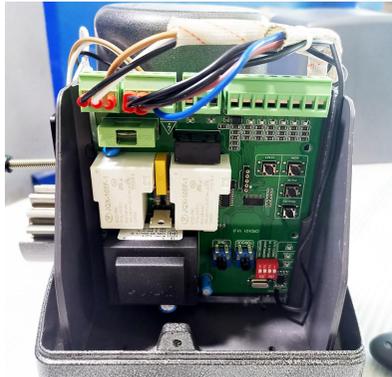
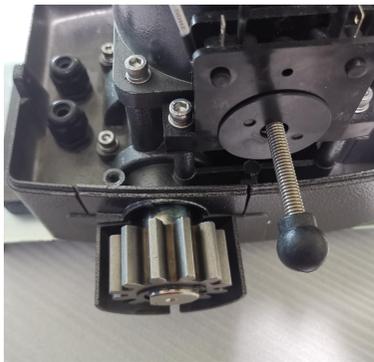
CSPY-S4	
Max. leaf weight	500kgs/700kgs/1000kgs
Max. speed	12m/min
Use frequency	40%/80%

### Advantages

- .Bronze gear, highest reliability
- .Irreversible
- .Standard soft start and soft stop, can make the gate move smoothly

Technical specifications	CSPY-S4-12	CSPY-S4-24	CSPY-S4-AC-500	CSPY-S4-AC-700	CSPY-S4-AC-1000
Material	Copper turbine	Copper turbine	Copper turbine	Copper turbine	Copper turbine
IP Rating	IP45	IP45	IP45	IP45	IP45
Leaf max weight (KG)	500kgs	500kgs	500kgs	700kgs	1000kgs
Leaf max length (m)	6m	6m	7m	7m	8m
Rated Absorbed power (w)	80W	80W	220W	280W	550W
Working Frequency	80%	80%	40%	40%	40%
Power Supply(V)	AC110/220V	AC110/220V	AC110/220V	AC110/220V	AC110/220V
Electric motor	DC12V,7A	DC24V,3.5A	AC110V 2A/220V 1A	AC110V 3A/220V 1.5A	AC110V 5A/220V 2.5A
Limit switch	Spring limit/ magnet limit	Spring limit/ magnet limit	Spring limit/ magnet limit	Spring limit/ magnet limit	Spring limit/ magnet
Limit switch quantity	2, Open door limit and close door limit	2, Open door limit and close door limit	2, Open door limit and close door limit	2, Open door limit and close door limit	2, Open door limit and close door limit
Teeth gear	12 Teeth gear	12 Teeth gear	12 Teeth gear	12 Teeth gear	12 Teeth gear
Motor Speed	1800RPM/MIN	1800RPM/MIN	1450RPM/MIN	1450RPM/MIN	1450RPM/MIN
Push force (N)	500N	500N	600N	800N	1400N
Max linear load free	12M/MIN	12M/MIN	12M/MIN	12M/MIN	12M/MIN
Capacitor (uF)	/	/	25uF/12uF	25uF/12uF	25uF/12uF
Built in battery	1pc12V.7/9ah battery,In	2pc12V.7/9ah	not support	not support	not support
External battery	One or more 12v7 / 9ah batteries in parallel (Optional)	One or more 12v7 / 9ah batteries in parallel (Optional)	not support	not support	not support

<b>Remote control</b>	30-50meters,433.92 MHz	30-50meters,433.92 MHz	30-50meters,433.92 MHz	30-50meters,433.92 MHz	30-50meters,433.92 MHz
<b>Thermal Protection(°C)</b>	140°C	140°C	140°C	140°C	140°C
<b>Recovery temperature(°C)</b>	-20°C-50°C	-20°C-50°C	-20°C-50°C	-20°C-50°C	-20°C-50°C
<b>Gross weight</b>	12Kgs	12Kgs	12Kgs	12Kgs	15Kgs
<b>Overall Dimensions(LxWxH)</b>	300*170*274mm	300*170*274mm	300*170*274mm	300*170*274mm	300*170*274mm
<b>Irreversible</b>					
	<ul style="list-style-type: none"> <li>.Huge selection of operating logics and working parameters.</li> <li>.Compact dimensions.</li> <li>.It can operate in emergency mode during power outages.</li> <li>.Self_diagnosing safety devices</li> <li>Absolutely waterproof.</li> </ul>				





## Automation for sliding gates

### CSPY-S6

Max. leaf weight	700Kgs
Max. speed	12m/min
Use frequency	40%

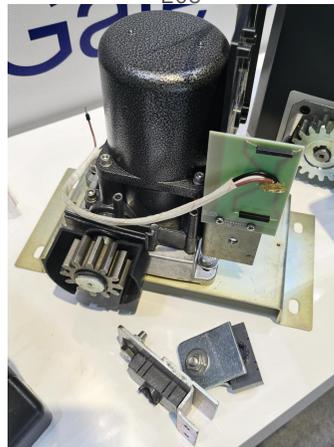
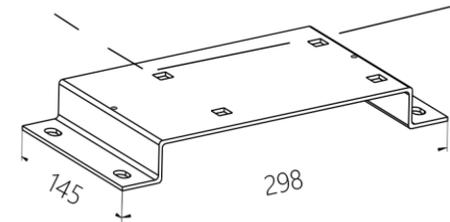
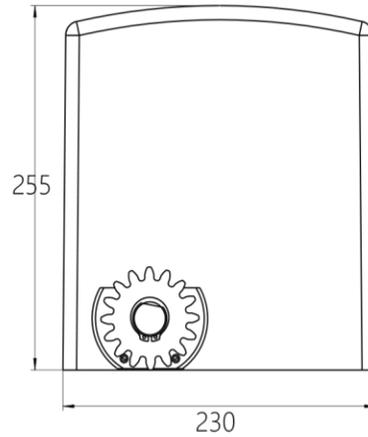
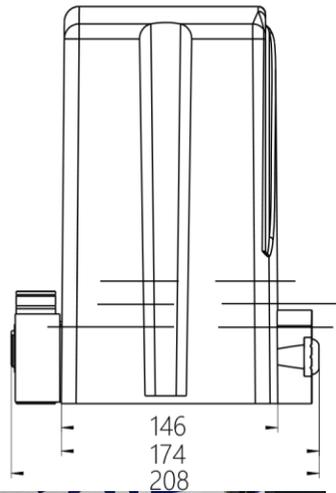
### Advantages

- .Bronze gear, highest reliability
- .Irreversible
- .Standard soft start and soft stop, can make the gate move smoothly



Technical specifications	CSPY-S6-12	CSPY-S6-AC	CSPY-S6-AC
Material	Copper turbine	Copper turbine	Copper turbine
IP Rating	IP45	IP45	IP45
Leaf max weight (KG)	500kgs	500kgs	700kgs
Leaf max length (m)	6m	6m	7m
Rated Absorbed power (w)	80W	280W	330W
Working Frequency	80%	40%	40%
Power Supply(V)	AC110/220V	AC110/220V	AC110/220V
Electric motor	DC12V,7A	AC110V 3A/220V 1.5A	AC110V 3A/220V 1.5A
Limit switch	Spring limit/ magnet limit	Spring limit/ magnet limit	Spring limit/ magnet limit
Limit switch quantity	2,Open door limit and close door limit	2,Open door limit and close door limit	2,Open door limit and close
Teeth gear	12 Teeth gear	12 Teeth gear	12 Teeth gear
Motor Speed	1800RPM/MIN	1450RPM/MIN	1450RPM/MIN
Push force (N)	500N	550N	800N
Max linear load free speed(m/sec)	12M/MIN	12M/MIN	12M/MIN
Capacitor (uF)	/	25uF/8uF	25uF/12uF
Built in battery	1pc12V.7/9ah battery (Optional)	not support	not support
External battery	One or more 12v7 / 9ah batteries in parallel (Optional)	not support	not support
Remote control	30-50meters,433.92 MHz	30-50meters,433.92 MHz	30-50meters,433.92 MHz

<b>Thermal Protection(°C)</b>	140°C	140°C	140°C
<b>Recovery temperature(°C)</b>	-20°c-50°c	-20°c-50°c	-20°c-50°c
<b>Gross weight</b>	13Kgs	15Kgs	15Kgs
<b>Overall Dimensions(LxWxH)</b>	230*255*208mm	230*255*208mm	230*255*208mm
<b>Irreversible</b>			
	<p>.Huge selection of operating logics and working parameters.          .Compact dimensions.          .It can operate in emergency mode during power outages.          .Self_diagnosing safety devices Absolutely waterproof</p>		





## Automation for sliding gates

CSPY-300DC	
Max. leaf weight	300Kgs
Max. speed	12m/min
Use frequency	80%

### Advantages.

- . Simple \*atmospheric appearance
- . High cost performance
- . Built-in control board and 24V/4.5Ah backup battery.
- . Solar System compatible
- . MCU is supplied to control the gate opener.
- . Supports customized Chain driven



Technical parameters		
<b>Model</b>	<b>CSPY-300DC</b>	<b>CSPY-300DCL Chain</b>
<b>Power supply</b>	220V/50Hz;110V/60Hz	220V/50Hz;110V/60Hz
<b>Motor power</b>	DC24V	DC24V
<b>Rated Absorbed power (w)</b>	100W	100W
<b>Gate moving speed</b>	13m/min	13m/min
<b>Maximum weight of gate</b>	300kgs	300kgs
<b>Leaf max leghth (m)</b>	6m	6m
<b>Remote control distance</b>	≥30m	≥30m
<b>Remote control mode</b>	Single button mode	Single button mode
	/ Three button mode	/ Three button mode
<b>Limit switch</b>	Magnetic limit switch	Magnetic limit switch
<b>Built in battery</b>	2pc12V.4.5Ah battery (Optional) in Series	2pc12V.4.5Ah battery (Optional) in Series
<b>External battery</b>	two or more 12v7 / 9ah batteries in parallel (Optional)	two or more 12v7 / 9ah batteries in parallel (Optional)
<b>Noise</b>	≤58dB	≤58dB
<b>Working duty</b>	S2, 30min	S2, 30min
<b>Recording of up remote controls</b>	25	25
<b>Working duty</b>	S2, 20min	433.92 MHz
<b>Frequency</b>	Rolling code / 433.92MHz	Rolling code / 433.92MHz

Working temperature	-20°C ~ +70°C	-20°C ~ +70°C
Overall Dimensions(LxWxH)	270*200*300mm	270*200*300mm
Package weight	12.00Kg	20.00Kg

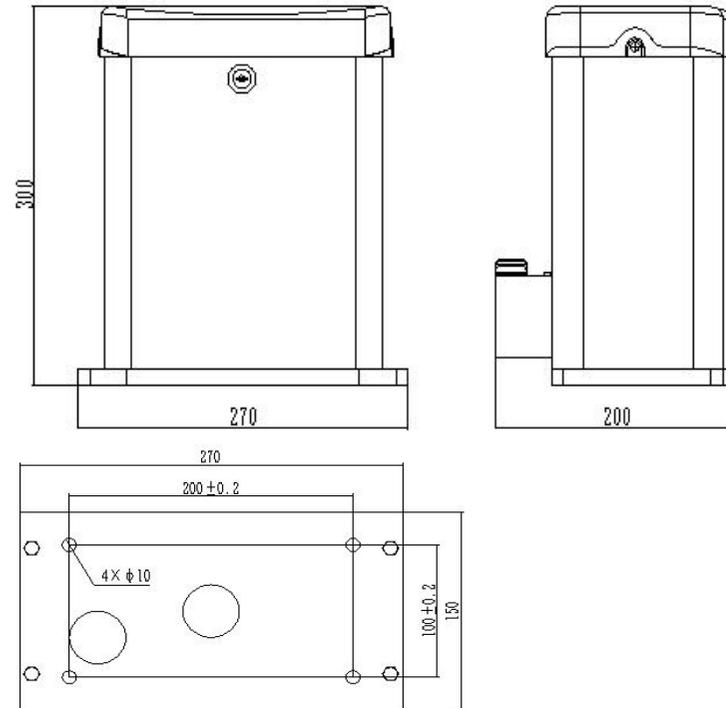
\*CSPY-300DCL Chain version MOQ≥20

CSPY-300DC

SIZE:



Unit: mm





## Automation for sliding gates

<b>PY-2000AC</b>	
Max. leaf weight	2000Kgs
Max. speed	12m/min
Use frequency	40%

### Advantages.

- . Simple \*atmospheric appearance
- . High cost performance
- . Heavy duty type

<b>PY2000KG Technical parameters</b>		
Model	<b>PY1000AC</b>	<b>PY2000AC</b>
Power supply	220V/380V/50Hz	220V/380V/50Hz
Motor power	400W	750W
Gate moving speed	11~13m/min	11~13m/min
Maximum weight of gate	1000Kg	2000Kg
Driving Mode	Gear/Chain	Gear/Chain
Remote control distance	≥30m	≥30m
Recording of up remote controls	20	20
Frequency	433.92 MHz	433.92 MHz
Output Shaft Height	50mm	50mm
Remote control mode	Single button mode	Single button mode
	/ Three button mode	/ Three button mode
Limit switch	Magnetic limit switch	Magnetic limit switch
Noise	≤60dB	≤60dB
Working duty	S2, 20min	S2, 20min
Working temperature	-20°C ~ +70°C	-20°C ~ +70°C
Package weight	15.00Kgs	17.00Kgs
Overall Dimensions(LxWxH)	271*228*280mm	





## Automation for sliding gates



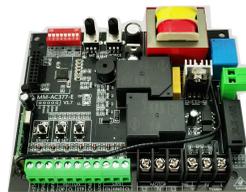
<b>CSPY-S11</b>	
<b>Max. leaf weight</b>	2000Kgs
<b>Max. speed</b>	12m/min
<b>Use frequency</b>	40%

**Advantages.** .Variety of colors . Cost effective

Technical specifications	CSPY-S11-500	CSPY-S11-700	CSPY-S11-1000
<b>Material</b>	metal	metal	metal
<b>IP Rating</b>	IP44	IP44	IP44
<b>Leaf max weight (KG)</b>	500kgs	700kgs	1000kgs
<b>Leaf max leghth (m)</b>	6m	7m	9m
<b>Rated Absorbed power (W)</b>	250W	370W	550W
<b>Working Frequency</b>	40%	40%	40%
<b>Power Supply(V)</b>	AC230/120V	AC230/120V	AC230/120V
<b>Electric motor</b>	AC motor ,AC230/120V	AC motor ,AC230/120V	AC motor ,AC230/120V
<b>Limit switch</b>	Spring limit/ magnet limit	Spring limit/ magnet limit	Spring limit/ magnet limit
<b>Limit switch quantity</b>	2,Open door limit and close door limit	2,Open door limit and close door limit	2,Open door limit and close door
<b>Teeth gear</b>	19 Teeth gear	19 Teeth gear	19 Teeth gear
<b>Motor Speed</b>	1400rpm/46.6r/min	1400rpm/46.6r/min	1400rpm/46.6r/min
<b>Torque</b>	20Nm	22Nm	27Nm
<b>Max linear load free</b>	12M/MIN	12M/MIN	12M/MIN
<b>Capacitor (uF)</b>	25uF/8uF	25uF/8uF	25uF/12uF
<b>Built in/External battery</b>	not support	not support	not support
<b>Remote control</b>	30-50meters,433.92 MHz,encrypted	30-50meters,433.92 MHz,encrypted	30-50meters,433.92 MHz,encrypted
<b>Thermal Protection(°C)</b>	140°C	140°C	140°C
<b>Recovery temperature(°C)</b>	-20°c-65°c	-20°c-65°c	-20°c-65°c
<b>Gross weight</b>	12.0kgs	12.6kgs	14.0kgs
<b>Authentication</b>	CCC;CE	CCC;CE	CCC;CE
<b>Overall Dimensions</b>	325*272*377mm	325*272*377mm	325*272*377mm



## Automation for sliding gates



Technical specifications	CSPY-S11-1200	CSPY-S11-1500	CSPY-S11-2000
Material	metal	metal	metal
IP Rating	IP44	IP44	IP44
Leaf max weight (KG)	1200kg	1500kg	2000kg
Leaf max length (m)	12m	12m	12m
Rated Absorbed power (w)	750W	1000W	1200W
Working Frequency	40%	40%	40%
Power Supply(V)	AC230/120V	AC230/120V	AC230/120V
Electric motor	AC230/120V	AC110V 3A/220V 1.5A	AC110V 3A/220V 1.5A
Limit switch	Spring limit/ magnet limit	Spring limit/ magnet limit	Spring limit/ magnet limit
Limit switch quantity	2, Open door limit and close door limit	2, Open door limit and close door limit	2, Open door limit and close door
Teeth gear	19 Teeth gear	19 Teeth gear	19 Teeth gear
Motor Speed	1400rpm/46.6r/min	1400rpm/46.6r/min	1400rpm/46.6r/min
Torque	35Nm	38Nm	45Nm
Max linear load free	12M/MIN	12M/MIN	12M/MIN
Capacitor (uF)	25uF/12uF	25uF/12uF	25uF/12uF
Built in battery	not support	not support	not support
External battery	not support	not support	not support
Remote control	30-50meters, 433.92 MHz, encrypted	30-50meters, 433.92 MHz, encrypted	30-50meters, 433.92 MHz, encrypted
Thermal Protection(°C)	140°C	140°C	140°C
Recovery temperature(°C)	-20°C-65°C	-20°C-65°C	-20°C-65°C
Gross weight	14.6kgs	15.0kgs	15.7kgs
Authentication	CCC;CE	CCC;CE	CCC;CE
Overall Dimensions	325*272*377mm	325*272*377mm	325*272*377mm



## Automation for sliding gates

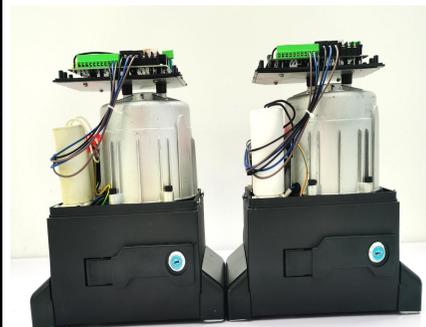
Technical specifications	CSPY-S11-DC-300	CSPY-S11-DC-500
Material	metal	metal
IP Rating	IP44	IP44
Leaf max weight (KG)	300kg	500kg
Leaf max length (m)	6m	6m
Rated Absorbed power (w)	80W	100W
Working Frequency	70%	70%
Power Supply(V)	AC230/120V	AC230/120V
Electric motor	DC24V	DC24V
Limit switch	Spring limit/ magnet limit	Spring limit/ magnet limit
Limit switch quantity	2, Open door limit and close door limit	2, Open door limit and close door limit
Teeth gear	19 Teeth gear	19 Teeth gear
Motor Speed	1400rpm/46.6r/min	1400rpm/46.6r/min
Torque	18Nm	20Nm
Max linear load free	12M/MIN	12M/MIN
Capacitor (uF)	/	/
Built in battery	not support	not support
External battery	yes	yes
Remote control	30-50meters, 433.92 MHz	30-50meters, 433.92 MHz
Thermal Protection(°C)	140°C	140°C
Recovery temperature(°C)	-20°C-65°C	-20°C-65°C
Gross weight	13Kgs	13Kgs
Authentication	CCC;CE	CCC;CE
Overall Dimensions	325*272*377mm	325*272*377mm



control board with remotes



the back and front



inside



## Automation for sliding gates

<b>CSPY-S12</b>	
<b>Max. leaf weight</b>	2000Kgs
<b>Max. speed</b>	12m/min
<b>Use frequency</b>	40%

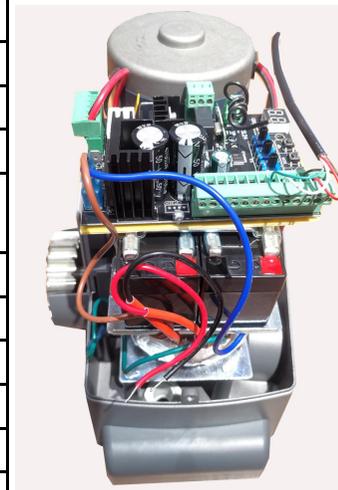
### Advantages.

- . Large load bearing DC motor
- . Variety of model
- . Newreleasing system
- . Newreleasing system
- . Setting the PCB easily
- . PCB+battery+transformer
- . Obstacle reverse function



### CSPY-S12 DC motor

Item No.:	500KG-DC	800KG-DC	1200KG-DC
<b>Power Supply :</b>	DC24V	DC24V	DC24V
<b>Power</b>	120W	150W	180W
<b>Torque:</b>	10NM	22NM	27NM
<b>Motor Speed:</b>	2400RPM	2400RPM	2400RPM
<b>Motor gear material</b>	Nylon	Nylon	Nylon
<b>Gate Speed:</b>	18m/min	20m/min	20m/min
<b>Max Gate weight:</b>	500Kgs	800Kgs	1000Kgs
<b>Noise:</b>	≤56dB	≤56dB	≤56dB
<b>Limited Switch Option :</b>	Magnetic/Mechanical (N.O./N.C.)	Magnetic/Mechanical (N.O./N.C.)	Magnetic/Mechanical (N.O./N.C.)
<b>Thermal Protection Temperature</b>	/	/	/
<b>Built in battery</b>	12V1.3AH 2pcs battery	12V1.3AH 2pcs battery	12V1.3AH 2pcs battery
<b>External battery</b>	two or more 12v7 / 9ah batteries in parallel (Optional)	two or more 12v7 / 9ah batteries in parallel (Optional)	two or more 12v7 / 9ah batteries in parallel (Optional)
<b>Working Cvcle :</b>	90%	90%	90%
<b>Working Temperature:</b>	-45°C ~ +65°C	-45°C ~ +65°C	-45°C ~ +65°C
<b>IP Class :</b>	IP44	IP44	IP44
<b>Certificates:</b>	CE,ROHS	CE,ROHS	CE,ROHS
<b>Weight</b>	10kgs	11kgs	14kgs
<b>Size</b>	301*191*228mm	314*208*252mm	314*208*252mm



### CSPY-S12 AC motor

Item No.:	300KG-AC	600KG-AC	800KG-AC	1000KG-AC
Power Supply :	AC220V/AC110V	AC220V/AC110V	AC220V/AC110V	AC220V/AC110V
Power	250W	250W	370W	550W
Torque:	7N.M	10N.M	22N.M	27N.M
Motor Speed:	1440RPM	1440RPM	1440RPM	1440RPM
Motor gear material	Nylon	Nylon	Nylon	Nylon
Gate Speed:	10m/min	10m/min	12m/min	12m/min
Max Gate weight:	300Kgs	600Kgs	800Kgs	1000Kgs
Noise:	≤56dB	≤56dB	≤56dB	≤56dB
Limited Switch Option :	Magnetic/Mechanical (N.O./N.C.)	Magnetic/Mechanical (N.O./N.C.)	Magnetic/Mechanical (N.O./N.C.)	Magnetic/Mechanical (N.O./N.C.)
Thermal Protection Temperature:	135°C	135°C	135°C	135°C
working Cvcle :	25%	25%	40%	40%
Working Temperature:	-45°C~+65°C	-45°C~+65°C	-45°C~+65°C	-45°C~+65°C
IP Class :	IP44	IP44	IP44	IP44
Certificates:	CE,ROHS	CE,ROHS	CE,ROHS	CE,ROHS
Weight	10kgs	11kg	12kgs	14kg
Size	301*191*228mm	301*191*228mm	314*208*252mm	314*208*252mm

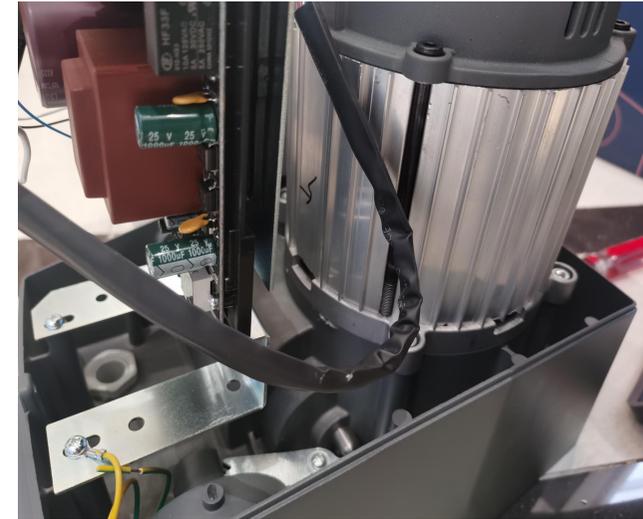
### CSPY-S12 Heavy-duty AC inverter motor

Item No.:	1500KG-AC	2000KG-AC
Power Supply :	AC220V/AC110V	AC220V/AC110V
Power	750W	1000W
Torque:	35N.M	45N.M
Motor Speed:	1440RPM/Adjustable Speed	1440RPM/Adjustable Speed
Motor gear material	Metal	Metal
Gate Speed:	24m/min/Adjustable Speed	24m/min/Adjustable Speed
Max Gate weight:	1500Kgs	2000Kgs
Noise:	≤56dB	≤56dB
Inside Pinion	Metal	Metal
Limited Switch Option :	Magnetic/Mechanical (N.O./N.C.)	Magnetic/Mechanical (N.O./N.C.)
Thermal Protection Temperature:	150°C(continuously)	150°C(continuously)

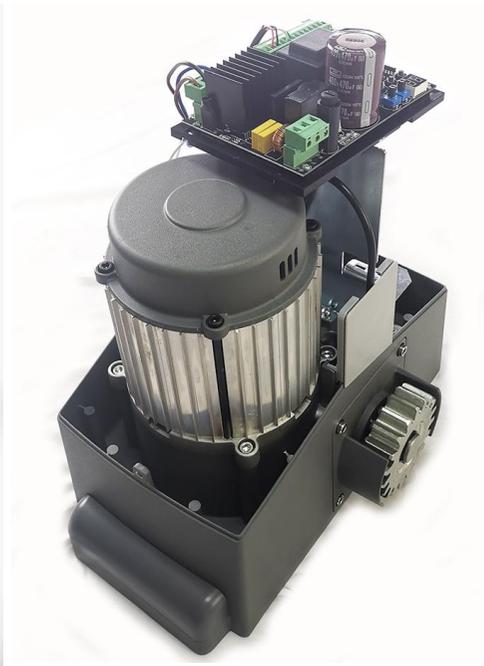


The front and back

Item No.:	1500KG-AC	2000KG-AC
Obstacle reverse function	support	support
working Cvcle :	40%/100%	40%/100%
Working Temperature:	-45°C~+65°C	-45°C~+65°C
IP Class :	IP44	IP44
Certificates:	CE,ROHS	CE,ROHS
Weight	17kgs	19kgs
Size	357*222*318mm	357*222*318mm



control panel is installed on the side



control panel is installed on the top



Internal details



AC inverter control board



## Automation for sliding gates

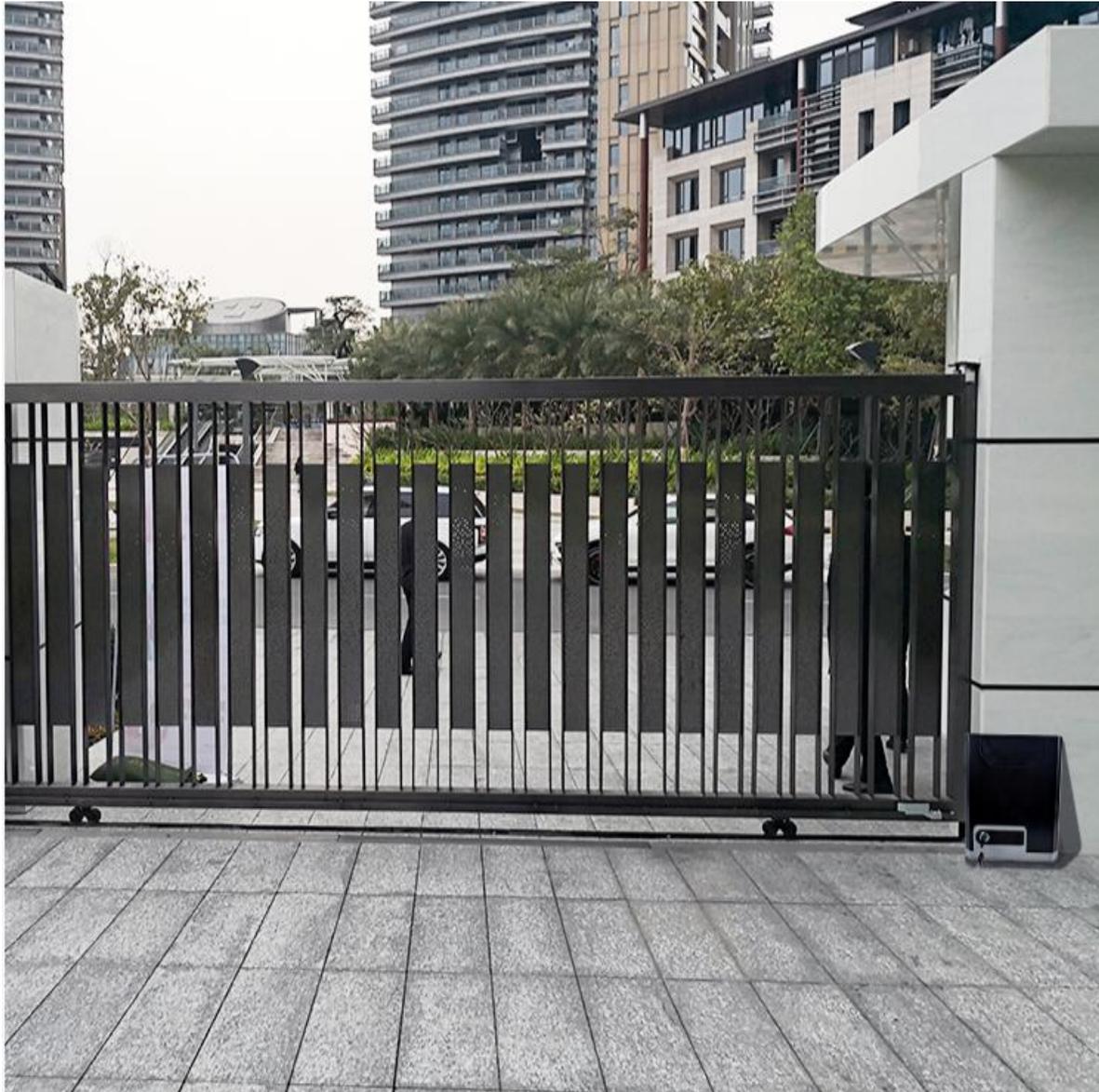
CSPY-S14	
Max. leaf weight	1000KG
Max. speed	12m/min
Use frequency	40%

- Advantages.**
- . Black shell
  - . Cost effective



Technical specifications	CSPY-S14-300	CSPY-S14-600	CSPY-S14-800	CSPY-S14-1200
Material	metal	metal	metal	metal
IP Rating	IP44	IP44	IP44	IP44
Leaf max weight (KG)	300kgs	600kgs	800kgs	1200kgs
Leaf max leghth (m)	6m	8m	8m	9m
Rated Absorbed power (w)	150W	280W	370W	600W
Working Frequency	40%	40%	40%	40%
Power Supply(V)	AC230/120V	AC230/120V	AC230/120V	AC230/120V
Electric motor	AC230/120V	AC230/120V	AC230/120V	AC230/120V
Limit switch	Spring limit/ magnet limit			
Limit switch quantity	2,Open door limit and close door limit			
Teeth gear	17 Teeth gear	17 Teeth gear	17 Teeth gear	17 Teeth gear
Motor Speed	1400rpm/46.6r/min	1400rpm/46.6r/min	1400rpm/46.6r/min	1400rpm/46.6r/min
Torque	14Nm	18Nm	22Nm	27Nm
Max linear load free speed(m/sec)	12M/MIN	12M/MIN	12M/MIN	12M/MIN
Capacitor (uF)	25uF/8uF	25uF/8uF	25uF/8uF	25uF/12uF
Built in battery	not support	not support	not support	not support
External battery	not support	not support	not support	not support
Remote control	30-50meters,433.92	30-50meters,433.92	30-50meters,433.92	30-50meters,433.92
Thermal Protection(°C)	140°C	140°C	140°C	140°C

<b>Recovery temperature(°C)</b>	-20°c-65°c	-20°c-65°c	-20°c-65°c	-20°c-65°c
<b>Gross weight</b>	10.0kgs	10.0kgs	12kgs	13.0kgs
<b>Authentication</b>	CCC;CE	CCC;CE	CCC;CE	CCC;CE
<b>Overall Dimensions</b>	325*272*377mm,8kg	325*272*377mm,8kg	325*272*377mm,9kg	325*272*377mm,10kg





## Automation for sliding gates

CSBG-1000/1200/1500/2000	
Max. leaf weight	2000KG
Max. speed	12m/min
Use frequency	80%

- ▲ High capacities of 1000Kg, 1500KG and 2000KG, and a fully featured high speed version of 1200KG available
- ▲ With onboard socket for bluetooth module
- ▲ With internal housing for 5Ah 24V Li-ion Battery (Battery optional), optional external battery case for capacity expansion for both Li battery and lead-acid battery
- ▲ Capable of solar kits connection
- ▲ High safety with rebound against resistance
- ▲ Soft start and slow stop, low noise
- ▲ Master-slave mode (2 motors work synchronically)
- ▲ Fully compatible with smartphone door control system



Technical specifications	CSBG-1000	CSHS-1200	CSBG-1500	CSBG-2000
Material	metal	metal	metal	metal
IP Rating	IP44	IP44	IP44	IP44
Leaf max weight (KG)	1000kgs	1200kgs	1500kgs	2000kgs
Leaf max length (m)	12m	12m	12m	12m
Rated Absorbed power (w)	130W	250W	220W	280W
Working Frequency	80%	80%	80%	80%
Power Supply(V)	AC230/120V,50-60Hz	AC230/120V,50-60Hz	AC230/120V,50-60Hz	AC230/120V,50-60Hz
Electric motor	DC24V	DC24V	DC24V	DC24V
Limit switch	Spring/Magnetic (NC/NO)	Spring/Magnetic (NC/NO)	Spring/Magnetic (NC/NO)	Spring/Magnetic (NC/NO)
Limit switch quantity	2, Open door limit and close door limit	2, Open door limit and close door limit	2, Open door limit and close door limit	2, Open door limit and close door limit
Teeth gear	17 Teeth gear	17 Teeth gear	17 Teeth gear	17 Teeth gear
Motor Speed	1600rpm/46.6r/min	2500rpm/46.6r/min	1600rpm/46.6r/min	1600rpm/46.6r/min
Torque	21Nm	30Nm	29Nm	47Nm

<b>Max linear load free speed(m/sec)</b>	12M/min	18M/min	12M/min	12M/min
<b>NOISE</b>	<60dB	<60dB	<60dB	<60dB
<b>Built in battery</b>	support,2pcs 12V 5A(optional)	not support(optional)	not support	not support
<b>External battery</b>	support(optional)	support(optional)	support(optional)	support(optional)
<b>Remote control</b>	30-50meters,433.92	30-50meters,433.92	30-50meters,433.92	30-50meters,433.92
<b>Recovery temperature(°C)</b>	-45°C~~+75°C	-45°C~~+75°C	-45°C~~+75°C	-45°C~~+75°C
<b>Gross weight</b>	13.0kgs	14.0kgs	14kgs	15.0kgs
<b>Authentication</b>	CCC;CE	CCC;CE	CCC;CE	CCC;CE
<b>Overall Dimensions</b>	365*375*245mm,13kg	365*375*245mm,14kg	365*375*245mm,14kg	365*375*245mm,15kg





## Automation for sliding gates

### CSPY-780

Max. leaf weight	2000kgs/2500kgs
Max. speed	12m/min
Use frequency	40%

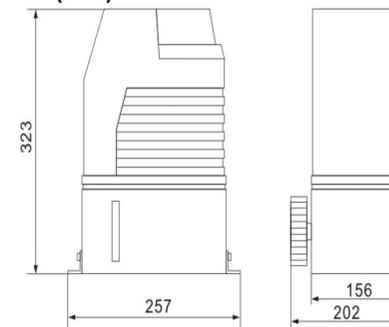
#### Advantages.

- . Oil immersed motor
- . heavy duty



- .The motor will be automatically cut off when the temperature reaches the rated value.
- .Oilimmersed gear and motor ensures long life.
- .Overheat & overload dual protection.
- .Turbo worm transmission mechanism,transmission stability.
- .Auto-shuttering back the door against touching, Soft start and soft stop.
- .Convenient installation,when power failure can open the clutch,manual opening.

unit(mm)



### Technical specification

Model	CSPY-780A	CSPY-780B
Voltage	220V/110V	380V
Frequency	50Hz/60Hz	50Hz
Motor voltage	AC 220V/110V	380V
Max.gate weight	2000kgs	2500kgs
Power	550W	550W
Torque	38N.m	42N.m
Limit switch	Spring/Magnetic;NO/NC	
Teeth gear, Motor number	19T(spring limit)/24T (magnetic steel limit); M=4	
Inside Pinion	Pure copper	
External gear	Galvanized steel	
Motor speed	1400RPM/MIN,	1400RPM/MIN,
Noise	≤56dB	≤56dB
Travel speed	12m/min	12m/min
Working temperature	-40°C~+65°C,Relative humidity is ≤90°C	
Overload protection temperat	130°C	
Motor making technique	Oil-immersed motor	
Manual Release	Yes	
Remote distance	Max 20m	
Size H*L*W	323*257*202mm	

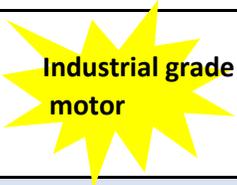




## Automation for sliding gates-industrial

CSPY-3000	
Max. leaf weight	3500Kgs
Max. speed	11m/min
Use frequency	40%

- Advantages.**
- . Frequency conversion control
  - . heavy duty



### Technical specification:

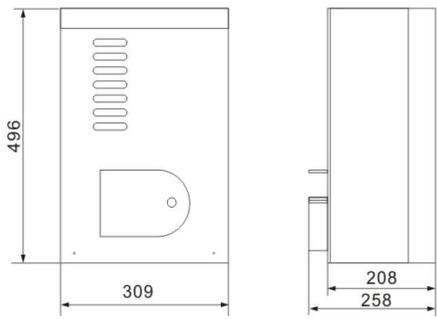
Model	CS-PY3000	CS-PY3500
Voltage	220V/50Hz/380V	380V
Frequency	50Hz	50Hz
Motor voltage	AC 220V/380V	380V
Max.gate weight	3000kgs	3500kgs
Power	1000W	1100W
Torque	170N.m	180N.m
Control board	Frequency conversion control	Encoder control
Limit switch	Spring	Spring
Motor number	M=4	
Teeth gear	23T spring limit	
Inside Pinion	Pure copper	Pure copper
External gear	Galvanized steel	
Motor speed	1400RPM/MIN,	1400RPM/MIN,
Noise	≤58dB	≤58dB
Travel speed	11m/min	11m/min
Working temperature	-40°C~+65°C;Overload protection temperature is 130°C;Relative humidity is	
Manual Release	Yes	
Remote distance	Max 20m	
Size H*L*W	309*258*496mm, Packing weight about 42kg	

.Its innovative gear motor,which meets international standards, can Responding to the most complex security requirements.

Unit ( mm )	
Height	496
Length	309
Width	258



Wooden case packing  
3500F : 580\*380\*320mm,  
Gross weight:40KGS





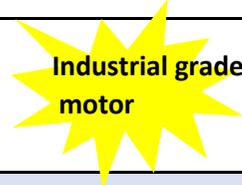
## Automation for sliding gates

### CSPY-4000/ CSPY-6000

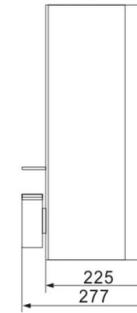
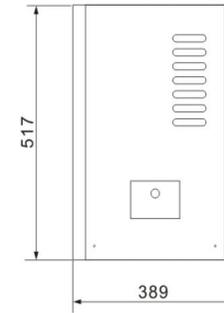
Max. leaf weight	6000Kgs
Max. speed	12m/min
Use frequency	40%

#### Advantages.

- . Frequency conversion control
- . heavy duty



Size:  
unit:mm



Wooden case packing  
4000F :360\*470\*610mm,  
Gross weight:57KGs

#### Technical specification:

Model	CSPY-4000	CSPY-6000
Voltage	380V	380V
Frequency	50Hz	50Hz
Motor voltage	AC380V	AC380V
Max.gate weight	4000kgs	6000kgs
Power	1500W	2200W
Torque	220N.m	280N.m
Control board	<b>Frequency conversion control</b>	<b>Frequency conversion control</b>
Limit switch	Spring/Magnetic, NO/NC	Spring/Magnetic, NO/NC
Motor number	M=4	
Teeth gear	23T	
Inside Pinion	Pure copper	Pure copper
External gear	Galvanized steel	
Motor speed	1400RPM/MIN,	1400RPM/MIN,
Noise	≤58dB	≤58dB
Travel speed	12m/min	11m/min
Working temperature	-40°C~+65°C,Overload protection temperature is 130°C;Relative humidity is ≤90°C	
Manual Release	Yes	
Remote distance	Max 20m	
Size H*L*W	360*470*610mm, Packing weight about 60kg	



Wooden box packaging      Frequency converter controller

## Common Accessories for Sliding Gate Opener

Gear Rack		Photocells			
					
CSGR-01 Galvanized steel wheel/rack kit ,M4 8*30*1005mm 12*30*1005mm	CSGR-02 Nylon rack kit M4 26*20*1005mm/ 28*20*1015mm	CSP-02,DC12-24V, two beams, detection range: 40 meters	CSP-03,AC/DC 12-24V, Detection distance: 20m Internal rotation Angle: 0-180°、±90°	CSP-01,Max. effective range:15m;	CSP-04,12 Vdc or 24 Vac , Detection distance: 20m,Transmitter power :3 mA,Receiving power :30 mA
Alarm Light					
					
CSAL-01,Color: red or yellow, DC12V /DC24V/110V/220V, LED light	CSAL-02,Color: red or yellow, DC12V /DC24V/110V/220V, LED light	YS422 LED Sound Alarm light with antenna ; AC/DC 12-265V	CSAL-031/032,Warning light with antenna,AC/DC 12-256V	CSAL-06 Working voltage: AC/DC 12-265V	YS422 LED Sound Alarm light with antenna ; AC/DC 12-265V
Access control-Keypad					
					
CSK Key keyboard,6Volt DC, 2PCS CR2032 Li battery,Frequency:433.92MHz+75KHz Receiver GE-RCV1	CSK-02 Key keyboard, IP65 , 125khZ , for ID card Access control Up to 1200 users,Waterproofing with glue injection	Touch Keypad,YS515ID Waterproofing with glue injection 1. Password or RFID card, ID;2. Waterproof; 3. Fingerprint door; 4. Touch the keyboard	Keypad YS501 ID/ICcard + password 1,000 user capacity	Push button,CSPBD-KW ,wall switch,Single gate/Single gate	①Exit button,YS401,Support NO/NC,Push button ②CSPB-01,open/close/stop Wired control

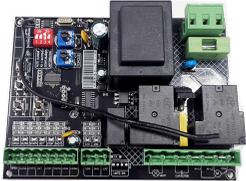
## Access control-GSM /Camera

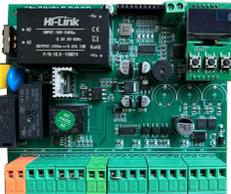
					
<p>RTU5024 GSM/4G SMS/telephone control (need sim card)</p>	<p>G203 GSM/4G SMS/telephone/ with app control (need sim card)</p>	<p>2.4G Wifi board WP101+ Power switch , android or IOS , eWeLink app,for gate opening</p>	<p>Video camera+wifi model X-house APP</p>	<p>Video camera+wifi model tuya APP</p>	<p>Solar PTZ Camera+ wifi model tuya app/4G model</p>

## Loop detector/Solar power supply system

					
<p>Bluetooth CS-092&amp;A2L, receiver,+USB,Bluetooth in the vehicle for gate opening</p>	<p>Exit Wand,Loop detector (Exit sensor) with 10 meters cable</p>	<p>Loop Detector,M1H,single channel,Copper coil</p>	<p>Loop Detector,PD132 single channel,Copper coil</p>	<p>Solar Panel,SP- 30W,18V,30W, single crystal single crystal model [590*300*17mm]</p>	<p>BB01,External/Built-in Lead- acid battery DC12V,7Ah/9ah available</p>

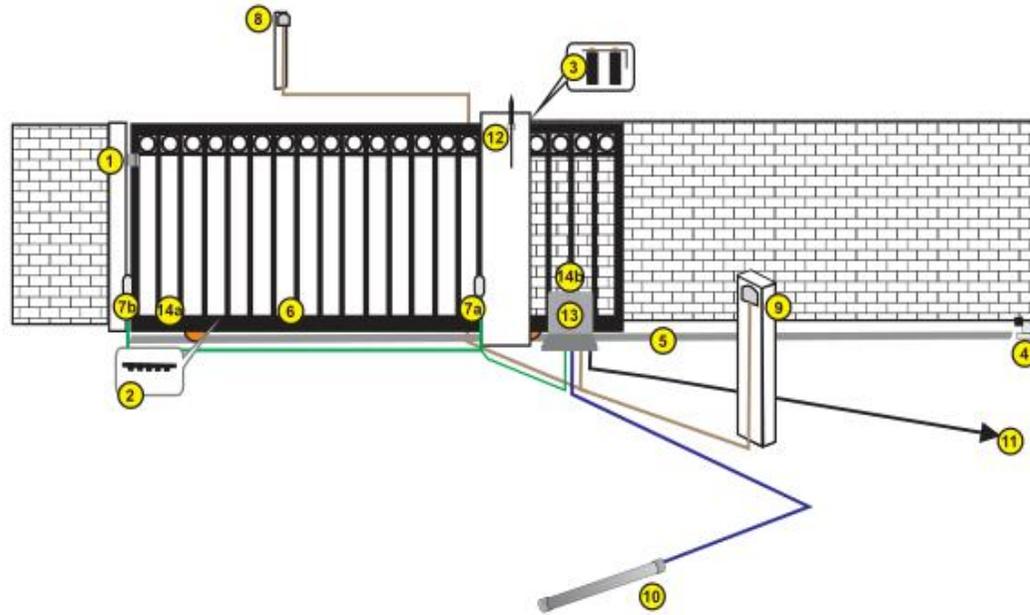
## Commonly used control panels & remote controls

					
<p>SCC-30 SOLAR CHARGE CONTROLLER 20A/30A</p>	<p>AC Control board CRD101 220V/110V for AC sliding gate opener,433.92Mhz</p>	<p>AC Control board ID106 220V/110V for AC sliding gate opener,433.92Mhz</p>	<p>AC Control board MM- AC377 220V/110V for AC sliding gate opener,433.92Mhz</p>	<p>AC Control board SL-01 220V/110V for AC sliding gate opener,433.92Mhz</p>	<p>SL-FS AC Frequency conversion Control board for High-power AC sliding gate opener,433.92Mhz</p>

					
AC Control board SGAC-01 with OLED Screen, for AC220V/110V sliding gate opener,433.92Mhz	DC Control board SGDC-01 with OLED Screen, for DC12V/24V sliding gate opener,433.92Mhz	DC Control board SL-24 for DC12V/24V sliding gate opener,433.92Mhz	Remote control CSRM-1 433.92Mhz Learning code, Square type,Single key / 4-key mode	Remote control CSRM-2 433.92Mhz Learning code,Single key / 4-key mode	Remote control CSRM-3 433.92Mhz Learning code,Encrypted type.Single key / 4-key mode
<b>Other accessories</b>					
					
Remote control 418Mhz, weld code type, just for CSPY-1800 gate opener	Telescopic Gate units for Double-track sliding gate	Electronic lock EL104,Unlocking time :3 seconds, Energized and attracted.24VDC Drop Down Bolt Inward Swing-L Inward Swing-R Outward Swing-L Outward Swing-R	Track assembly for sliding gate opener:door Suction,Nylon wheel frame,Bottom track,Bottom pulley,Door pocket		



Installation example diagram(for example, for reference only)



①	U Guide/Keep
②	Wheels
③	Rollers and Bracket
④	Gate Stop
⑤	Floor Track
⑥	Gear Rack
⑦a	PE Sensor Transmitter
⑦b	PE Sensor Receiver (Not required for Retro Reflective Sensor)
⑧	Entry Keypad/Push Button
⑨	Exit Keypad/Push Button
⑩	Exit Sensor
⑪	Power Source (Mains/Low Voltage or Solar Panel)
⑫	External Antenna
⑬	Gate Motor
⑭a	Open Magnet
⑭b	Close Magnet

**Accessories Requiring Wiring:**

- Keypad - 4 Core (Wireless available)
- PBD-K - 4 Core (Wireless available)
- PBS-K - 2 Core (Wireless available)
- PE Sensor
  - Receiver - 4 Core
  - Transmitter - 2 Core
- Exit Wand 5 Core



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