Company Profile

Sunfire International Industrial Co., Ltd. is a high-tech enterprise in Shenzhen, China, now a leader in greater China in the research and development, manufacture and distribution of intelligent security and protection products and service. Sunfire products series mainly includes automatic barrier gates, access turnstiles/tripod turnstile, swing barrier, flap barrier, speed gate, full/height turnstile, remote control parking lot barrier, gate operators series products etc. Products covers a wide range series and models, and with comprehensive functions and high quality, can meet kinds of customers requirements. Sunfire Products passed the CE certification and RoHS certification, are welcomed by all our customers.

Sunfire series products with its innovative designs, abundant and comprehensive functions, advanced production technology, steady and reliable quality, on time delivery and thorough service win the domestic and overseas customers highly recognized. Sunfire products sell to more than 50 countries all over the world, mainly in east and south Asia, Euro, north America and south America, Oceania or other areas.

Sunfire applies itself to provide customers with constant innovative and high quality products, services and solutions, also provides ODM/OCM service to the related products, in order to create long term and steady customer satisfaction and value for all customers.

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### DC Servo Barrier Gate

- **Features:**
  - High Speed
  - No Sensor
  - AutoReverse
  - 100% Duty
  - 0.6-6s (Adjustable)

### Strong AC Motor

1. Manual release
2. Machine core with compression spring, effectively avoids the accidents caused by spring breaking
3. Die-casting aluminum alloy motor, precision and good at thermal radiating
4. Motor cooling fan, solving the problem of heat-protection
5. Double safety limit switches (photocell/limit switch/motor memory sensor)
6. Reversing on obstacle
7. Auto-dimming
8. Support the IR/RF/PHOTOCELL for anti-colliding function (optional)
9. Support the external and internal VEHICLE LOOP DETECTOR (optional)
10. Traffic light interface
11. Wire control (switch signal) Remote control (218MHz+)
12. RS485 Communication module (optional)

### Basic AC Motor

- **Features:**
  - Auto-reset
  - Auto-Reverse
  - Double safety
  - Manual release
  - Auto fan cooling
  - Auto warming up
  - Auto-close optional

### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DC Servo Barrier Gate</strong></td>
<td></td>
</tr>
<tr>
<td>Length (max)</td>
<td>2.5-3m, 4.5m, 6m, 8m</td>
</tr>
<tr>
<td>Open time</td>
<td>0.6-0.9s, 1-3s, 2-6s, 4-8s</td>
</tr>
<tr>
<td>Power consumption</td>
<td>120W, 230W</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>100%</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>110/220V, 0/DC24V/12V</td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60Hz, 50Hz</td>
</tr>
<tr>
<td>Drive system</td>
<td>SPA-S12</td>
</tr>
<tr>
<td>Weight (without boom)</td>
<td>Mechanism: 25kgs, Gate: 59kgs</td>
</tr>
<tr>
<td>Protection等级</td>
<td>IP54</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-35°C to 70°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Strong AC Motor</strong></td>
<td></td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-35°C to +60°C</td>
</tr>
<tr>
<td>Voltage</td>
<td>220V±10%±10%, 50/60Hz</td>
</tr>
<tr>
<td>Rated power</td>
<td>300W</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>&lt;60%</td>
</tr>
<tr>
<td>Remote control distance</td>
<td>≤30m</td>
</tr>
<tr>
<td>Net weight</td>
<td>Mechanism: 23kgs, Gate: 42kgs</td>
</tr>
<tr>
<td>Arm Speed</td>
<td>18.1.8±3krgs</td>
</tr>
<tr>
<td>Max boom length</td>
<td>6 meters</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic AC Motor</strong></td>
<td></td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-35°C to +60°C</td>
</tr>
<tr>
<td>Voltage</td>
<td>220V±10%±10%, 50/60HZ</td>
</tr>
<tr>
<td>Rated power</td>
<td>200W</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>&lt;60%</td>
</tr>
<tr>
<td>Remote control distance</td>
<td>≤30m</td>
</tr>
<tr>
<td>Net weight</td>
<td>Mechanism: 23kgs, Gate: 42kgs</td>
</tr>
<tr>
<td>Arm Speed</td>
<td>38.6s</td>
</tr>
<tr>
<td>Max boom length</td>
<td>6 meters</td>
</tr>
</tbody>
</table>
Hot Models

Technical Data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Temperature</td>
<td>-25°C~60°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>≤50%</td>
</tr>
<tr>
<td>Power Supply</td>
<td>220V±10% 50/60Hz</td>
</tr>
<tr>
<td></td>
<td>110V±10% 50/60Hz</td>
</tr>
<tr>
<td>Rated Power</td>
<td>360W</td>
</tr>
<tr>
<td>Motor Rotational Speed</td>
<td>1400rpm</td>
</tr>
<tr>
<td>Protection Degree</td>
<td>IP54</td>
</tr>
<tr>
<td>Remote Control Distance</td>
<td>≥30m, ≤100m</td>
</tr>
<tr>
<td>Wav Boom Length</td>
<td>6m</td>
</tr>
</tbody>
</table>
SFBG10X~50X Series

SFBG102L

SFBG302

SFBG401

SFBG520

SFBG801 Series

For basic AC motor only

Optional color

Orange  Grey  Red

Arm types

Round foam arm

Telescopic arm

Straight arm

90 degrees

180 degrees

2-fence

3-fence

Working Temperature: -35°C~+65°C
Voltage: 220V±10%±10%, 50/60Hz
Rated power: 200W
Relative humidity: ≤90%
Remote control distance: ≤30m
Net weight: Mechanism: 23kgs, Gate: 4.2kgs
Arm Speed: 3s/s
Max boom length: 6 meters
Full-Automatic Tripod Turnstile

DC Brushless motor type

Core Mechanism

Anti-panic
Anti-crash
Speed Adjustable
RS485 com
Durable
Maintenance free

SFTT-F2012
Semi-Automatic Tripod Turnstile

- Solenoid type (Traditional type)

Unlock time: 0.2s
Passage width: ≤550mm
Throughput rate: 35p/min
Power supply: 100~240V
Operational voltage: 24V
Max power consumption: 30w
Frequency: 50~60Hz
Protection level: 44p
Working temperature: -25~70 °C
Electro-magnetic drive: DC
Net weight: 42kg
Input: 12v dry contact

HOT SALE MODEL

- SFTT-F1011
- SFTT-F1013
- SFTT-F2014
- SFTT-F2013B
- SFTT-F2015
- SFTT-F2017
## Flap Barrier

**DC Brushless motor type**

### Features:

- 304 High Grade stainless steel housing
- Bi-directional passage
- Anti-clamp
- Anti-tailing to illegal pass
- Most types of access controller accepted
- Auto open on power off
- Auto lock after pass delayed (adjustable)

### Specifications:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>15°C to 40°C</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>≤95% No Condensation</td>
</tr>
<tr>
<td>Access Width</td>
<td>600mm (800mm)</td>
</tr>
<tr>
<td>Finishing Speed</td>
<td>1.0m/sec (0.5m/sec)</td>
</tr>
<tr>
<td>Motor</td>
<td>24VDC, 15W</td>
</tr>
<tr>
<td>Rotating Speed</td>
<td>1.0m/sec</td>
</tr>
<tr>
<td>Communication Interface</td>
<td>TCP/IP, MODBUS</td>
</tr>
<tr>
<td>Power Supply</td>
<td>24VDC, 1.5A</td>
</tr>
<tr>
<td>Barrier Length</td>
<td>≤3m (≤5m)</td>
</tr>
<tr>
<td>Operating Current</td>
<td>≤1.5A</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>Indoor</td>
</tr>
</tbody>
</table>

**Models:**

- SFWB-A1011
- SFWB-A1013
- SFWB-A1014
- SFWB-A201
- SFWB-A1013B
- SFWB-A1015
Telescopic Flap Barrier

- DC Brush motor type

Swing Barrier

- DC Brushless motor type

Manual Swing Gate

SFSB-D201

SFSB-A5011

SFSB-M101
SFSB-M201
SFSB-AC1011
SFSB-A1013
SFSB-S1
SFSB-A3011
**Speedstile Swing Gate**

- **DC Brushless motor type**

<table>
<thead>
<tr>
<th>Description</th>
<th>Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>AC100~240V/50/60Hz</td>
</tr>
<tr>
<td>Motor/Rate Power</td>
<td>DC Brushless &amp; Servo Motor, 40W/24V</td>
</tr>
<tr>
<td>Passing Speed</td>
<td>35~50 persons/min/adjustable</td>
</tr>
<tr>
<td>MTBF</td>
<td>More than 10 millions</td>
</tr>
</tbody>
</table>

Images of SFSB-T101, SFSB-T102, SFSB-T401, SFSB-T201, and SFSB-T301 are shown.
Sliding Barrier

■ DC Brushless motor type

SFST-F101

SFST-F102

SFST-W102R

1. Power 100-240V AC 50/60Hz
2. Operating Temperature 45°C ~ 90°C
3. Relative Humidity <85%, No Condensation
4. Access Width 510mm
5. Passing Speed 0.55m/s (Normal / Card)
6. Motor 120W/24V
7. Motor Operation Speed 1500RPM
8. Communication Protocol RS485
9. Input Connection 12V DC, Local Signal or Pulse Wide 100~180ms Pulse Signal: Current 100ms
10. Communication Connection RS485 Communication Module Standard
11. Material Stainless steel 304-Pickled (also offers black 5.0mm)
12. Service Life > 1 Million Times (Opening and Closing Operation)
13. Protection Level IP54
14. Color SUS304 Stainless Steel Brushed / Powder Coating (Optional), as per color and site
15. Operation Place Subway Station, Shopping Mall, Exhibition, Residential Building, Parking Entrance and Exit, Pedestrian Gate, Urnery, Guest Check Management, Access Control...
Full Heigh Turnstile

- #304 High Grade stainless steel housing
- Bi-directional passage
- Auto reset
- Auto lock after pass delayed (adjustable)
- Anti back-up device to prevent reverse rotation
- Most types of access controller accepted

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working temperature</td>
<td>-40°C to 70°C</td>
</tr>
<tr>
<td>Power supply</td>
<td>AC110 ±10%/AC220 ±10%/AC110 ±10%/AC220 ±10%V</td>
</tr>
<tr>
<td>Control Voltage</td>
<td>DC 24V</td>
</tr>
<tr>
<td>Communication</td>
<td>RS485 or TCP/IP</td>
</tr>
<tr>
<td>Socket</td>
<td></td>
</tr>
<tr>
<td>Protection Degree</td>
<td>IP44</td>
</tr>
<tr>
<td>Consumption</td>
<td>30 W</td>
</tr>
<tr>
<td>Passing Speed</td>
<td>30-45 Persons/Min</td>
</tr>
<tr>
<td>Passage Width</td>
<td>650mm</td>
</tr>
</tbody>
</table>

housing customization is available!
Integrated Swing Gate

DC Brushless motor type

Core mechanism: SFIB-101

Specifications:
- Working temperature: -40°C to +70°C
- Power supply: AC 220V ±10% / AC 110V ±10%
- Driving motor: DC 12V
- Passage speed: 25-40 Persons/Min
- Max load of rotating arm: 30 KG
- Passage width: 1300mm
- Protection degree: IP44
- Arm opening and closing time: 1-2 Seconds

Components:
- Card reader
- Fingerprint reader
- Hand punch
- Barcode reader
- Face recognition reader
- Coin token reader
- Switch
Sliding Gate Opener

- Features:
  - Aluminum die-casting made case
  - Manual release by clutch key
  - Auto-Reverse on obstacle
  - Auto warming up at freezing temperature
  - Auto closing
  - Soft start

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working temperature</td>
<td>-20°C ~ 75°C</td>
</tr>
<tr>
<td>Voltage</td>
<td>110V/220V x 10%</td>
</tr>
<tr>
<td>Maximum</td>
<td>22mm</td>
</tr>
<tr>
<td>Protection Degree</td>
<td>IP54</td>
</tr>
<tr>
<td>Rated current</td>
<td>0.5A</td>
</tr>
<tr>
<td>Rated load</td>
<td>150kg</td>
</tr>
<tr>
<td>Max weight of gate</td>
<td>1800KG</td>
</tr>
</tbody>
</table>

Swing Gate Opener

- Models:
  - SFSW-AC01(2.5M, 3.5M, 4M)
  - SFSW-AC02(4M, 6M)
  - SFSW-DC02(4M, 6M)

- Specifications:
  - Power Supply: AC220V-110V, 50/60Hz
  - Electric motor: AC12V/DC220V
  - Motor speed: 1.6cm/s
  - Operating temperature: -20°C ~ +60°C
  - Relative Humidity: ≤95%
  - Power of motor: 400W
  - Max leaf length: 4.8m
  - Rotational speed: 1800RPM
  - Max gate weight: 500kg
  - Running time: Adjustable
  - Current: 5.3A(24VDC/1.5A/220V)
  - Rod's max travel: 600mm
  - Auto closing delay time: Adjustable
  - Gate move speed: 12mm/min
  - Application: home automation
  - Protection class: IP54
# Parking Lot Barrier

**SF-PBL-A08**

- **Anti-Rust**
- **Anti-Theft**
- **Anti-Crash**
- **Noise free**

- **Waterproof**
- **Energy-Saving**
- **Easy Installation**
- **Auto-repositioning**

## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF-PBL-A03</td>
<td>Reserved</td>
<td>640<em>195</em>95mm (700<em>200</em>100mm)</td>
</tr>
<tr>
<td>SF-PBL-A04</td>
<td></td>
<td>700<em>200</em>80mm</td>
</tr>
<tr>
<td>SF-PBL-A02</td>
<td>Reserved</td>
<td>650<em>195</em>80mm (720<em>182</em>80mm)</td>
</tr>
<tr>
<td>SF-PBL-A07</td>
<td></td>
<td>460<em>410</em>85mm</td>
</tr>
<tr>
<td>SF-PBL-A05</td>
<td>Reserved</td>
<td>460<em>460</em>75mm</td>
</tr>
<tr>
<td>SF-PBL-A06</td>
<td></td>
<td>520<em>475</em>90mm</td>
</tr>
</tbody>
</table>

**Voltage:** DC 12V  
**Battery:** DC 12.7Ah  
**Running Time:** ≤6s  
**Remote Distance:** >15m  
**Working Temperature:** -5°C~+65°C  
**Weight:** 80M  
**IP Class:** IP68
Loop Detector

- SFLP103
- SFLP102
- SFLP104

Features:
- Selectable pulse time
- Sensitivity reinforcement
- Reset switch
- Switch sensitivity adjustable
- Switch frequency adjustable

Card Collector

- SDCP-610
- SDCP-615
- SDCP-620

Operating voltage: 24VDC
Operating temperature: -30°C-85°C
Operating relative humidity: 30-90%
Used condition: install in bin
Card collecting speed: about 2s
Card material: Paper or polyester cards
Time of issuing: max 0.5s

Card Dispenser

- SFLP101
- SFLP201
- SFC-180
- SFC-720M
- SFC-820
- SFC-5000

Operating voltage: 24VDC (max current 2A, static current 0.1A)
Operating temperature: -29°C to 85°C
Operating humidity: 30-90% (comparatively)
Use condition: install in bin
Card available: width: 54+/- 0.5mm
Length: 85+/- 0.5mm
Thickness: 0.3-2.5mm (adjustable)
Card material: Paper or Polyester card
Net weight of card dispenser: 2.0kg (including the briquette)