# DS-TMG520/A/B
# Barrier gates with strip light pole and arrow indicator




DS-TMG52X series barrier gate is applicable to entrance and exit management. It is widely used in road toll station, parking lot, community, enterprise entrance and exit, etc. to manage the entering and exiting of vehicles and record vehicle passing times. It can be controlled automatically via parking lot management system, or via handle, remote controller, buttons, etc.

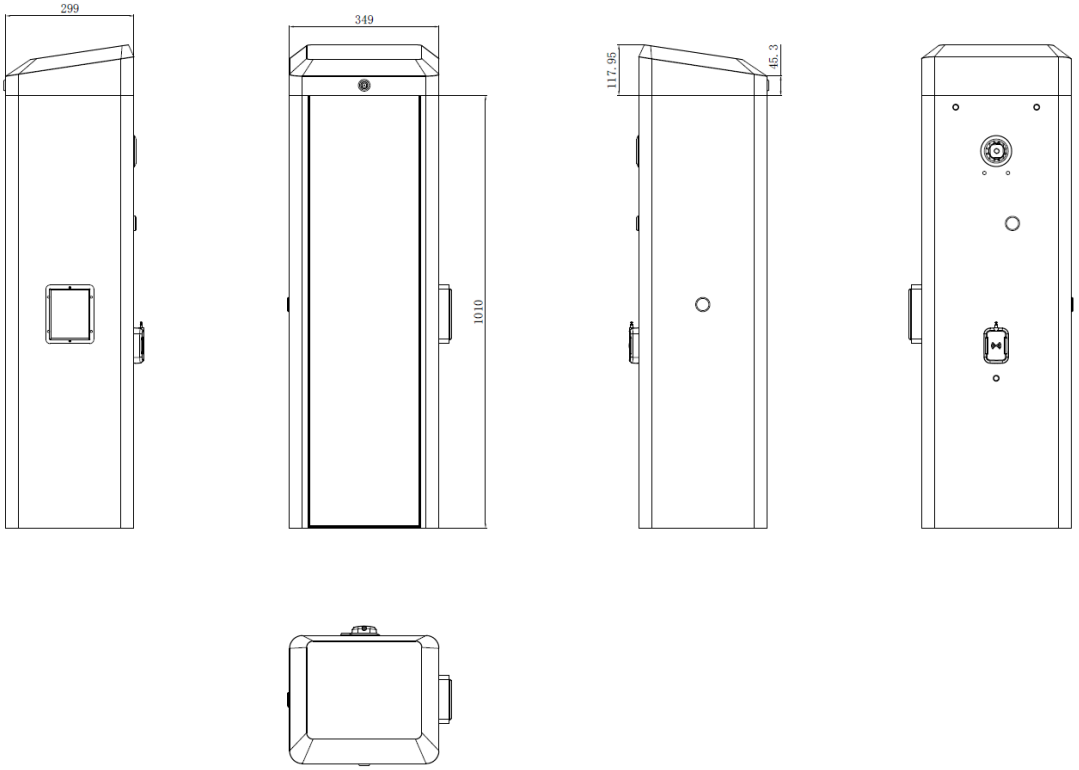
- DC frequency conversion. The rising and falling speeds can be adjusted independently. The boom pole can rise in high speed to let the vehicle pass quickly.
- The boom pole can fall in low speed to avoid hitting vehicle and pedestrian.
- High protection level. The chassis is produced with 2 mm cold rolled steel sheets in numerically-controlled precision. The surface is coated with plastic powder which is anti-UV, antistatic, non-peeling, and non-fading. The dustproof and waterproof level conforms to IP54.
- Multiple control modes. Rising priority. The boom pole can be controlled via relay, remote controller, and software command.
- Multiple anti-hitting modes via induction, IR, pressure wave, etc.
- The boom pole direction is adjustable from left to right, or from right to left.
- Anti-condensation. The electric motor is in low consumption even when the barrier gate is not in working status, which will keep the motor in normal temperature. So even in cold weather, the lube will not be frozen to guarantee the normal running of barrier gate.
- Auto lock. Even when the power is cut off, you can use tool to keep the barrier gate working.
- Intergated with arrow indicator and strip light to show barrier gate status.

## ▪ Specification

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|---|---|
| **Barrier Housing** | |
| Barrier Housing Material | SGCC |
| Barrier Housing Thickness | 2.0 mm |
| Barrier Housing Door Thickness | 1.5 mm |
| Barrier Housing Color | Orange red |
| Boom Pole Installation Height | 880 mm |
| Body Indicators | Arrow Indictor |
| **Barrier Gate General** | |
| Matched Boom Pole Type | boom pole with LED strip light |
| Boom Pole Direction | Right by default, direction switchable |
| Boom Pole Falling Delay | 10 s by default (configurable), min. 10 s (every 10 s followed a gap) |
| Motor Type | DC brushless motor |
| Number of Cycles | 5000000 |
| Working Voltage | 220 VAC |
| Remote Controller Frequency | 433 MHz |
| Current | Max. 4 A |
| Consumption | 300 W |
| Rising Speed | 3 to 3 m: 0.9 s,4 to 4 m: 1.5 s,6 to 6 m: 4 s |
| Temperature and Humidity | Temperature: -30 °C to 70 °C (-22 °F to 158 °F) |
| Rising Boom Pole for Poweroff | Optional, not supported by default |
| Falling Speed | 3 to 3 m: 3 s,4 to 4 m: 3.5 s,6 to 6 m: 6 s |
| **Barrier Gate** | |
| Duty Cycle | 100% |
| **Interface** | |
| Rising to Limit | 1 group |
| Falling to Limit | 1 group |
| Open | 1 group |
| Close | 1 group |
| Stop | 1 group |
| IR/Inductive Loop/Radar | 1 group |
| RS-485 | 1 group |
| Traffic Signal Light | 1 group, external power supply required, max. 220 VAC supported |
| LED Indicators | 1 group |
| Network | 1 group (reserved) |
| **Boom Pole** | |
| Boom Pole Type | boom pole with LED strip light |
| Boom Pole Material | AL6061 |
| Boom Pole Color | White background with red bar |
| Boom Pole Dimensions | 3 m boom pole with LED strip light: 95 × 49 × 3013 mm (3.74 × 1.93 × 118.62 inch)<br>4 m boom pole with LED strip light: 95 × 49 × 4013 mm (3.74 × 1.93 × 157.99 inch) |
| Boom Pole Weight | 3 m boom pole with LED strip light: 3.4 ± 0.3 kg (7.50 ± 0.66 lb.)<br>4 m boom pole with LED strip light: 4.4 ± 0.3 kg (9.70 ± 0.66 lb.) |
| Boom Pole Dimensions (with Package) | 3 m boom pole with LED strip light: 100 × 60 × 3035 mm (3.94 × 2.36 × 120.07 inch)<br>4 m boom pole with LED strip light: 100 × 60 × 4035 mm (3.94 × 2.36 × 159.45 inch) |

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| Color of Boom Pole with LED Strip Light | Boom pole with LED strip light, green indicator light for boom pole opening status<br>Boom pole other status: red indicator light<br>Photometric parameters:<br>Red: luminous flux 39.44 lm, light effect 17.86 lm/W<br>Green: luminous flux 107.56 lm, light effect 45.65 lm/W<br>Working life (lighting time): 5800 h |
| Boom Pole Weight (with Package) | 3 m boom pole with LED strip light: 4.0 ± 0.3 kg (8.82 ± 0.66 lb.)<br>4 m boom pole with LED strip light: 5.2 ± 0.3 kg (11.46 ± 0.66 lb.) |
| **Approval** | |
| RF | CE-RED<br>EN 300220-1 V3.1.1<br>EN 300220-2 V3.1.1<br>EN 301489-1 V2.2.3<br>EN 301489-3 V2.1.1<br>EN IEC 62311: 2020 |
| EMC | CE-EMC：<br>EN 55032: 2015 + A11: 2020 + A1: 2020,<br>EN IEC 61000-3-2: 2019 + A1: 2021,<br>EN 61000-3-3: 2013 + A1: 2019 + A2: 2021,<br>EN 50130-4: 2011 + A1: 2014 |
| Security | CE-LVD:<br>EN 62368-1: 2014 + A11: 2017<br>CB:<br>IEC 62368-1: 2014<br>IEC 62368-1: 2018 |
| Environment | ROHS |
| Protection | IP54 |
| **Package** | |
| Barrier Housing Dimensions (L × W × H) | 1130 × 349 × 299 mm (44.5 × 13.7 × 11.8 inch) |
| Body Weight | 59.3 ± 5 kg (130.7 ± 11.0 lb.) |
| Body Dimensions (with Package, Without Boom Pole) (L × W × H) | 1266 × 504 × 626 mm (49.84 × 19.84 × 24.65 inch) |

## ▪ Dimension




## ▪ Accessory

### ▪ Included

| DS-TMG050 | DS-TMG012-5 |
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### ▪ Optional

| DS-TMG013-5 | DS-TMG120 (barrier) | DS-TMG012-A1 | DS-TMG022 | DS-TMG023 |
|---|---|---|---|---|
|  |  |  |  |  |
| DS-TVL221-1-6D | EEBracket-L800-1000(barrier) | TMG080-3 | DS-TMG060-52 | |

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