

Half-height Turnstiles



ES6100 SERIES Half-height Electric Turnstiles

Half-height turnstiles are intelligent entrance control equipment. The whole design of ES6100 series is rational and functional with anti-trailing properties. Easy and quick installation means it is a very cost effective device on performing security entrance control.

- Attractive, streamlined appearance
- Unit made of stainless steel and other materials for perfect seamless finish
- Range of design options for glass swing gates, guiding elements and bar handles
- Easy passage thanks to power-assist drive
- Silent smooth operation
- Easy to install



railway/subway/ bus stations



parks , scenic spots



office buildings and industrial plants



schools, movie theatres ,exhibition centers

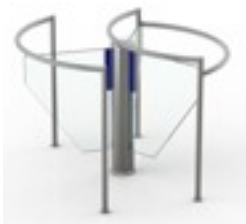


airport and export ports, quays

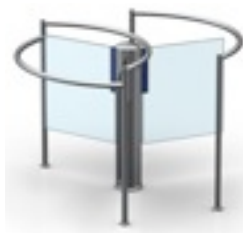
ES6100 SERIES

Half-height Electric Turnstiles

Technical Specifications



ES6100-A

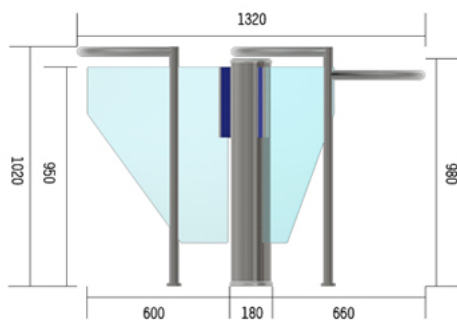


ES6100-B



ES6100-C

Physical dimension (mm) and Weight (kg)



Weight: 40kg(88.185 pounds); gates not included
Packaging: length(1400mm),width(400mm),height(1200mm); gates not included

Main materials

Housing: 2.0mm thick SUS304 Grade Brush stainless steel
Electromechanical unit: 45# steel with Zinc plated
Gates: PMMA, tempered glass, 1.5mm thick SUS304 stainless steel tube
Guardrail: standard or customizable

Electromechanical unit performance

Transmission mode: servo-position drive
Safe mode: free passage in case of power failure
Power-assist drive: DC brushless motor
Gate opening mode: 120° swing in both directions
Opening/closing time: 0.8~1.5s(adjustable)
Passage width: 520-600mm
Gate travel angle: 120°
Gate dimension: 500~580mm (customizable)
Noise: ≤52db; gate opening and closing: ≤55db
Passthrough rate: 35 passages /minute
Driver life: 5 million times

Features

- The system is equipped with stepless position device and the operation process is controlled by sensors without mechanical impact.
- Digital-controlled (CNC) processing technology, fine surface treatment and corrosion resistance.
- Anti-trailing: security level 1(See Remarks)
- Passthrough modes: one or both directions(optional); adjustable passthrough rate; optional operation modes.
- Lightning protection and leakage protection
- Protection functions: anti-pinch, anticollision, antistall, over voltage and over current and powersurge
- Preventing and warning the illegal operations
- Standard external electric interface with photoelectric isolation enhance incorporate all kinds of control equipments thus extremely convenient for system integration
- Remote control and setup
- Extended functions: counting, audible and visual alarm, fire alarm and linkage, Photoelectric Beam Detector

Electrical and operating requirements

- Power supply:100V to 240V AC
- Frequency range:single-phase 50Hz to 60Hz
- Operating voltage:DC 24V
- Current: 300mA in standby condition; 4A(maximum operating current)in working condition
- Operating temperature: -20 to 70°C(-4 to 158°F)
- Storage temperature: -40 to 80°C(-40 to 176°F)
- Relative humidity: 5% to 95%RH

Communication

Standard RS232 port
Digital I/O
Industrial RS485/CAN BUS (optional)

Operation interface (user's choice for expansion)

Available in the installation environment for control equipments

Installation

Single-phase power supply 3A 110 to 220V AC+ground (earth)
Customizable guide elements
Slab to be drilled on Structural Slab Level and dowelled on Finished Floor Level to secure in position
Please refer to ES6100 series Installation Drawing

Remarks:

Security level 1: Provide basic anti-trailing system; relatively short equipment; basic level of single passage regulation in both directions;
Security level 2: Provide the best length and structure for anti-trailing identification system; basic level of single passage regulation in both directions and identification to child and trolley;
Security level 3: This equipment is equipped with mechanical device and complex sensor system to identify bi-direction passage and prevent trailing.