



HIGH-SPEED PARKING BARRIER GATE INV-HDC- 03

- ◆ The main transmission components of the movement are made of cast steel and are produced by molds, with high strength
- ◆ The movement uses a planetary reducer for transmission, which has high efficiency and low power output loss
- ◆ The gear material is alloy steel, with precise grinding processing, low noise, resistance to wear and impact, and a service life far exceeding that of worm gear transmission structure.
- ◆ The movement uses a 24V permanent magnet rare earth synchronous servo motor, which is small in size, low in power consumption, has a large torque, wide speed regulation range, no heating, small capacity, and precise limit positioning
- ◆ Through the controller, the speed can be adjusted arbitrarily. When the lever drops and rises are completed, it can achieve deceleration and buffering to ensure that the gate is smoothly positioned.
- ◆ It adopts DC24V safety voltage, avoiding electric leakage accidents and providing better personal safety protection.
- ◆ The mechanism is designed with a suspended installation structure, ensuring easy installation and a compact design.
- ◆ All major transmission components are manufactured from molded cast steel, providing high strength, durability, and reliability.

- ◆ Equipped with a planetary gear reducer, offering high transmission efficiency with minimal power loss
- ◆ Gears are made from high-grade alloy steel and undergo precision grinding, resulting in
- ◆ Low noise operation , High wear and impact resistance
- ◆ Significantly longer service life compared to conventional worm gear systems
- ◆ Powered by a 24V permanent magnet rare earth synchronous servo motor, featuring :
Compact size | Low power consumption
High torque output | Wide speed regulation range | Minimal heat generation
Precise limit positioning
- ◆ The controller enables flexible speed adjustment with built-in: Deceleration control
Buffering mechanism
- ◆ Operates on DC 24V safety voltage, ensuring:
Protection against electric leakage
Enhanced user safety



TECHNICAL SPECIFICATION

Power Supply Voltage	24V / 100V / 240V AC, 50/60 Hz
Drive Method	Servo Motor
Rated Power	200 W
Motor No-load Speed	3000 rpm
Gate Speed (0.3s Mechanism)	Straight arm \leq 3 m
Gate Speed (0.6s Mechanism)	Straight arm \leq 4 m
Maximum Boom Length	3 m - 4.5 m
Fence Arm Length	0.6 m - 1.5 m
Remote Control Distance	\leq 30 m
Relative Humidity	\leq 90%
Protection Level	IP55
Enclosure Dimensions	1030 × 350 × 290 mm