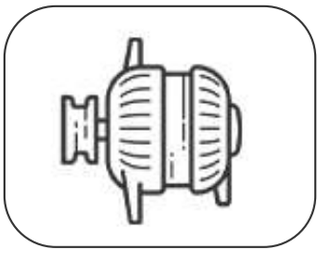
PAB-SP Solar-Powered Barrier Gate

PAB-SP

BRUSHLESS MOTOR

NO GRID, NO WIRING, NO ELECTRICITY COSTS — SIMPLE AND FAST INSTALLATION.



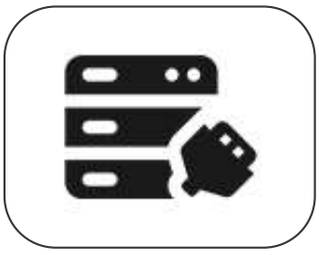
BRUSHLESS MOTOR

MULTIPLE PATENTS

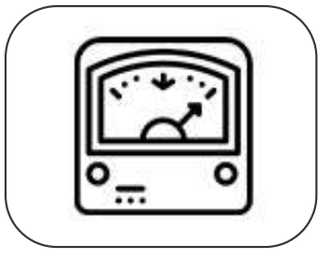
STRONG STURDY

SPEED ADJUSTABLE

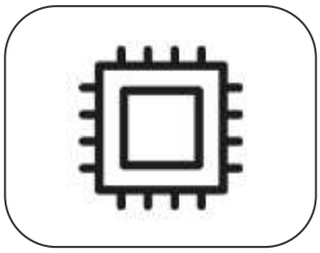
RUNNING SMOOTHLY



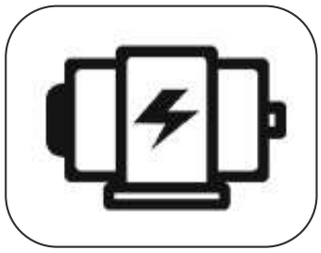
RICH INTERFACE



SMART DIGITAL DISPLAY CONTROLLER



DEDICATED CONTROL



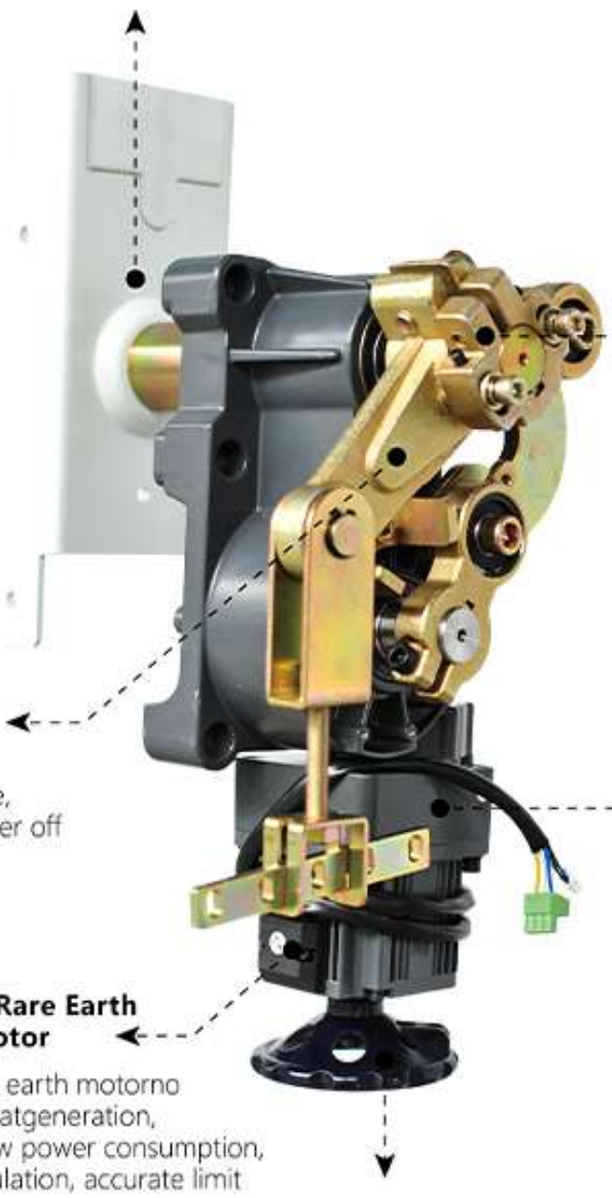
SILENT POWER

Solar Panel

The Photovoltaic Panels Can Rotate 90 Degrees According To Their Installation Position To Maintain The Optimal North-south Orientation For Sun Exposure And Remain Fixed.

NOTE: A 25-degree Tilt Angle Provides Better Exposure To Sunlight, Resulting In Significantly Greater Power Generation!

Brushless DC Motor



No welding Boom Bracket

Easy disassembly andassembly,no deformation, greatlyimproving productionefficiency and maintenanceconvenience

Patented Non-slip Design

Anti-skid Device Design, Safe And Reliable

Cast Steel Accessories

Brand new precision cast steelthree-link design, smoothoperation, lift in place, self-locking design whenpower off

Gear Plus Worm Geartwo-stage Transmission

Large torque, wde speedregulation, no blockage

Permanent Magnet Rare Earth Brushless Torque Motor

Permanent magnet rare earth motorno demagnetization, no heatgeneration, pure copper material,low power consumption, long life,free speed regulation, accurate limit

Folding Manual Crank

Antl-beater, easy to crank the arm during power outage

Working Temperature：-35℃~+65℃

Driving Method：brushless motor

Power Supply：DC24V/AC110V/220V 50/60HZ

Remote Control Distance：≤100M（Open & Sunny Weather）

Motor No-load Speed：1850R/MIN

Running Speed：1.5s-6s

Rated Power：160W

Relative Humidity:>90%

Protection Glass：IP54

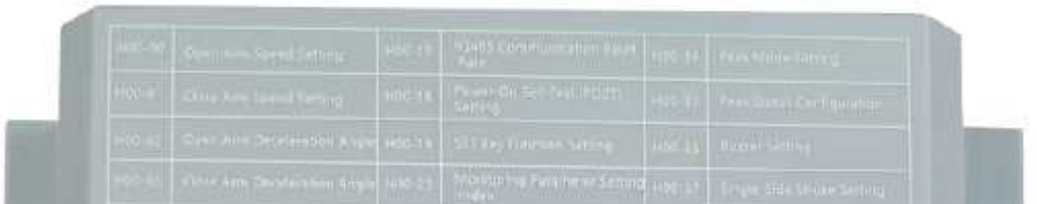
Adaptable Boom Length：3-6M

Brushless DC Motor

Rare Earth
Permanent Magnet

Independent Research And Development Of Special Controllers For Barrier Gates

Adopt ST Imported Chip



❶ Specialized Algorithms For Specialized Machines

Smart drive constant force control

❷ Self-Developed Controller

High performance, multiple interfaces, strong functions, fast response, large memory capacity, smooth operation

❸ Controller Adopts Imported St Chip

Good stability and high reliability

❹ Manwin Control Can Implement Complex Al Gorithms

Can achieve full intelligence

❺ The Maxine Controller Has A large Memory

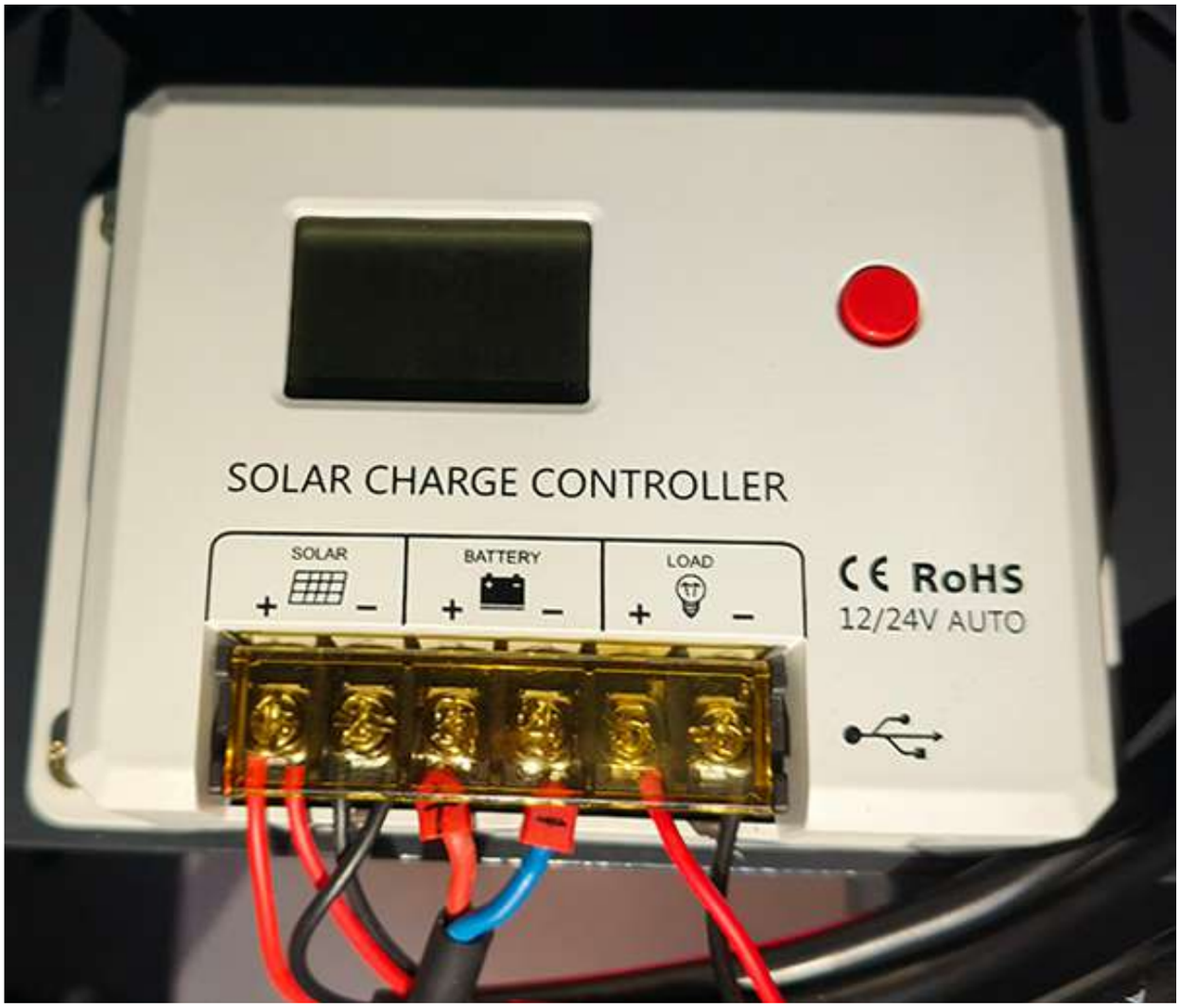
Can achieve powerful data writing, and processing and invocation speed

Parameters
PV Panels, Battery & Digital Controllers

18V solar panel, wire length 90mm	Dimensions: 350*670 mm Peak Power: 40W (Maximum Power: 45.5W) Type: Grade A Monocrystalline Weight: 2 kg Open-Circuit Voltage (Voc): 18–22V (±10%) Short-Circuit Current (Isc): 1.8A (±10%) Conversion Efficiency: 21% (±1.5%) Frame Material: Aluminum Alloy (Structural Non-ferrous Material)

	Operating Temperature Range: -35°C to +85°C Installation: Optimized for south-facing tilt angle Design Lifespan: 15–25 years

NCM Power Battery	Li-ion NMC Battery Specifications: Capacity: 20Ah Nominal Voltage: 24V Charging Modes: Standard Charging Mode, Dedicated Battery Charging Mode Protection: Includes dedicated protection circuit board (PCB) Starting Current: 25A Cycle Life: >2,500 to 2,600 cycles



Intelligent Digital-Display Controller	Smart Display (Supports Lead-acid, Gel, and Lithium modes) Weight: 0.15kg Charging Current: 20A (+5%) Operating Voltage: 9V-24V Features: Overcharge Protection, Over-discharge Protection, Trickle Charging mode Terminals: 6 Parallel Connection Support: Yes Includes Heat Sink: Yes

Product Details

PARKING SYSTEM

PARKING SYSTEM

PARKING SYSTEM

Product Size

Production Details

1 MOVEMENT ASSEMBLY WORKSHOP

2 MOVEMENT AGING TEST

3 INSTALLATION ROD TEST

4 WHOLE MACHINE ASSEMBLY

5 PRODUCT PACKAGING

6 WAIT FOR DELIVERY