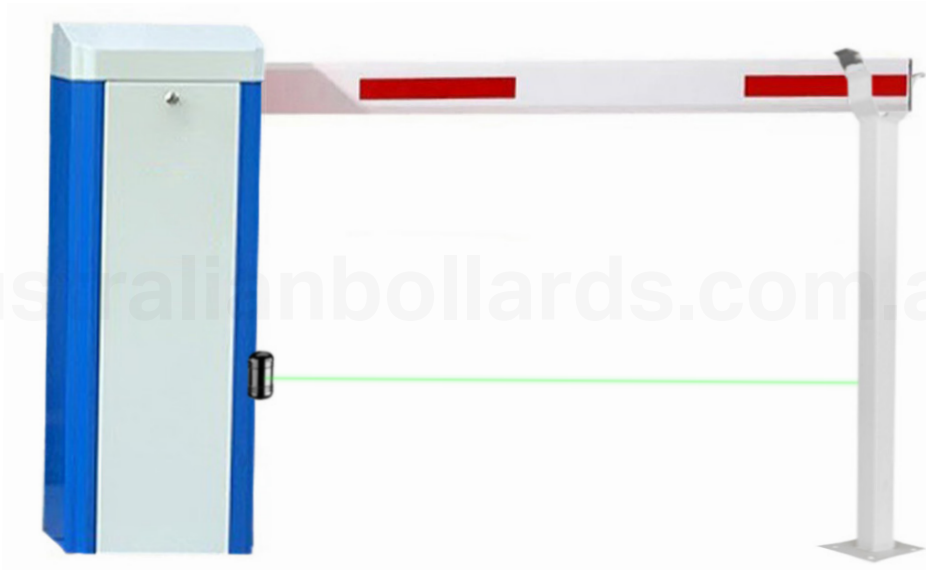
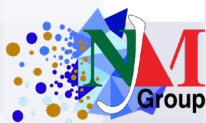


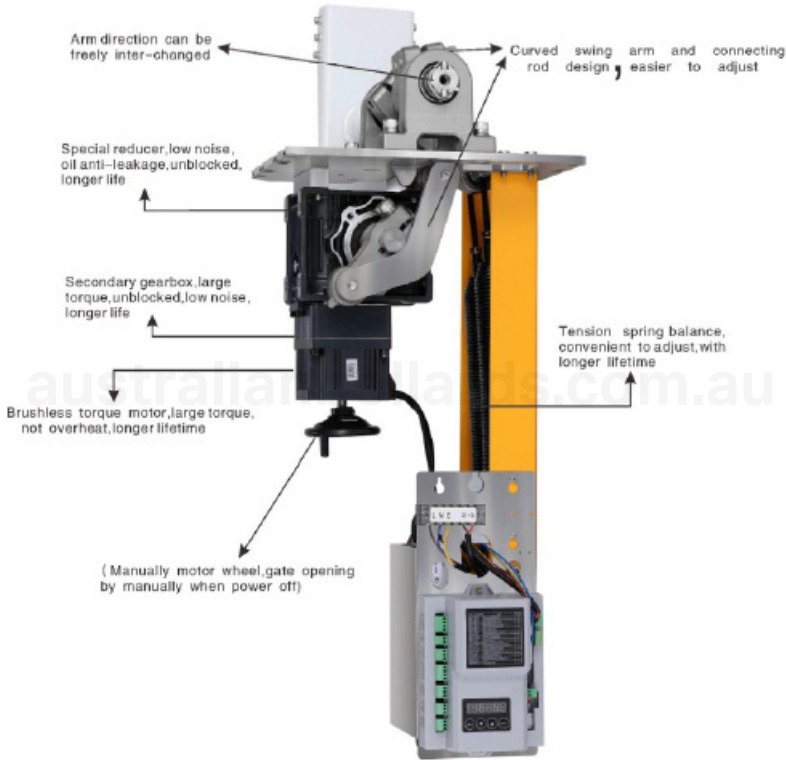
Solar Powered Boomgate



Technical Data

Working Temperature	-35°C to 85°C
Power Supply	DC24V
Open/Close Speed	1.5 to 6 secs (Depending on Arm Length)
Rated Current	8.58A
Rated Power	140W
Motor No Load Speed	1850 rpm
Rated Rotating Speed	1400 rpm
Output Power	56.8 Nm
Humidity	≤90%
Remote Control Distance	≤100m (open, sunny weather)
Protection Grade	IP44
Max Boom Length	6M





Functions

- » Operation speed can be adjusted (1.5 sec to 6 sec).
- » Arm direction can be quickly interchanged.
- » Barrier Gate up & down signal relay switch output.
- » Red & Green Traffic light relay switch signal output.
- » External loop detector signal anti-smashing interface.
- » Infrared sensor signal anti-smashing interlace.
- » Arm swing out function for when a vehicle hits the barrier gate. Arm can swing out to avoid further damage.
- » High-Sensitivity arm auto reverse function (intensity can be adjusted).

Features

Mechanical and electrical integration

Quick assembly & easy maintenance.
Molding production: high precision, fast efficiency and guaranteed quality.

Worm-Gear Secondary Variable Speed Transmission

Motor wheel design, gate opening by manually when power off, no blocking, no oil leakage, large torque, low noise, can normally operation at the temperature of minus 45 degrees etc.

DC Brushless Motor Design

Low consumption, high efficiency, no overheat with wide speed adjustment.

Hall Limit

Automatically detects the limit without debugging, detects the motor speed at all times while running at a constant speed.

Curved Triple Connecting Rod Structure

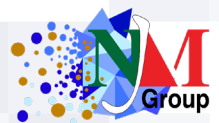
Easy to adjust

Arm Direction Quickly Interchanged

Interchanged according to different directions on construction site, reduces inventory and capital pressure.

Special DC Brushless Controller

Use integrated chip drive, fast processing speed, large memory, powerful function: 24V low voltage power supply, adaptable to global voltage.



Battery Specifications

Tpower 12V 50AH AGM Gel EV

Nominal Voltage	12V
Nominal Capacity	50Ah
Design Life	5 years
Approx. Weight	Approx 15.0kg (33.1lbs)
Container Material	ABS
Rated Capacity	50.0Ah: 20 Hour Rate (2.41A to 10.8V), 45.0Ah: 10 Hour Rate (4.50A to 10.8V) 36.3Ah: 3 Hour Rate (12.1A to 10.8V), 29.5Ah: 1 Hour Rate (29.5A to 10.5V)
Max. Discharge Current	540A(5S)
Operating Temperature	Discharge: -20°C to 50°C, Charge: -20°C to 50°C, Storage: -20°C to 50°C
Charge Method (25°C)	Float Use: 13.7V - 13.9V, @25°C, Cycle Use: 14.7V - 14.9V, @25°C Max Charge Current: 6.20A
Self Discharge	3% of capacity delined per month at 25°C

Solar Panel Dimensions

Photovoltaic Module

Brand	Jinko
Type	JKM330M-60H
Max. Power (Pmax)	330W
Power Measurement Tolerance	±3%
Max. Power Voltage (Vmp)	33.8V
Max. Power Current (Imp)	9.77A
Open Circuit Voltage (Voc)	41.3V ± 3%
Short Circuit Current (Isc)	10.61A ± 4%
Max System Voltage	1000VDC
Max. Series Fuse Rating	20A
Operating Temperature	-40°C to 85°C
Protection Class	II
Fire Class	C
Weight	18.5kg
Dimensions	1684mmx1002mmx30mm

