



BG-SPB series barrier gate

A new energy barrier works with solar integrated battery power

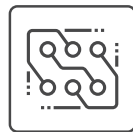
The BG-SPB series parking barrier uses an integrated solar panel and battery design. It can automatically charge the battery by converting electricity from four solar panels on the barrier chassis, so there is no need for external AC power and additional wire connections. Because of the built-in battery, the barrier can support around 8,000 runs even when there is no sunlight.

BG-SPB series is efficient, environmentally friendly, safe and easy to install and use. It is suitable for remote areas where electricity is not convenient, such as mountain areas, farms and mining areas.

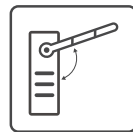
Features



DC 24V brushless motor with encoder control



Embedded programmable controller



Adjustable angle of rise and fall



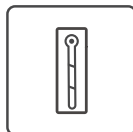
Emergency opening



Automatic obstacle detection



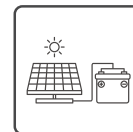
Reversible boom direction



Automatic delay closing



Built-in solar panels and battery

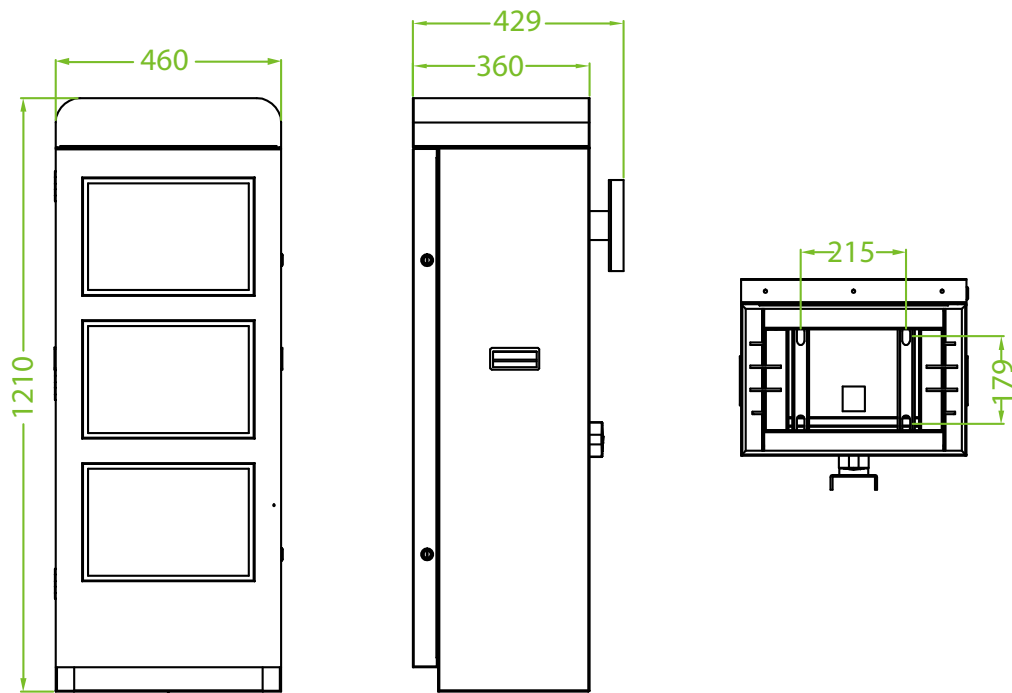


Built-in solar power conversion controller

Specifications

License Plate Recognition Specifications		BG-SPB200
Platform		5s
License Plate Number Recognition Accuracy Rate		≤6m
Recognition Speed		Telescopic boom
Chassis Dimension (L*W*H)		460*360*1210mm
Chassis Weight		55kg
Motor Type		24V DC brushless motor
Motor MCBF		2 million times
Motor Rated power		140W
Motor Rated Current		5A
Power Supply		DC24V 10A (Solar controller connect to solar panel and battery without AC power input)
Remote Control Distance		≤30m
Operating Temperature		-30°C to 75°C
Operating Humidity		<90%RH
Chassis Housing Material		Powder coated cold rolled sheet
Protection level		IP54
Duty Cycle		100B%, 8000 times(without sunlight)
Motor Rated Speed		1500r/min
Solar Module Specifications		
Maximum Power(Pmax)		10W
Open Circuit Voltage(Voc)		21.6V
Short Circuit Current(Isc)		0.61A
Maximum Powe Voltage(Vmp)		18V
Maximum Power Current(Imp)		0.55A
Maximum System Voltage		1000VDC
Size		325*280*17mm
Standard Test Condition		Illuminance 1000W/m ² , temperature 25°C, AM=1.5
Battery Module Specifications		
Lifespan		3~5 Years
Case and Cover Material		ABS
Rated Voltage		12V
Rated Capacity		9AH
Cycle Charge Voltage		Constant voltage of 14.4V ~ 15V, Initial current is less than 3.60A
Float Charge Voltage		Constant voltage of 13.5V ~ 13.8V, Initial current is less than 1.35A
Operating Temperature		-20°C~50°C
Size(L*W*H)		151*65*100mm
Weight		2.3kg

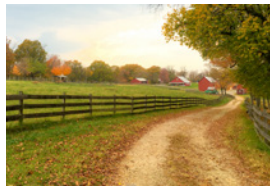
Dimensions



Applications



Mining areas



Farm areas



Mountain areas



Tunnel areas

