

RPG-7

STRONGER & BETTER

AUTOMATIC GATE SYSTEM
THAT MAKE YOUR LIFE EASIER



Easy Maintenance



Swing & Folding gate



Advance Features



Time Saving



5 YEAR WARRANTY COVERED



armygrade®
www.armygrade.my



swing



folding

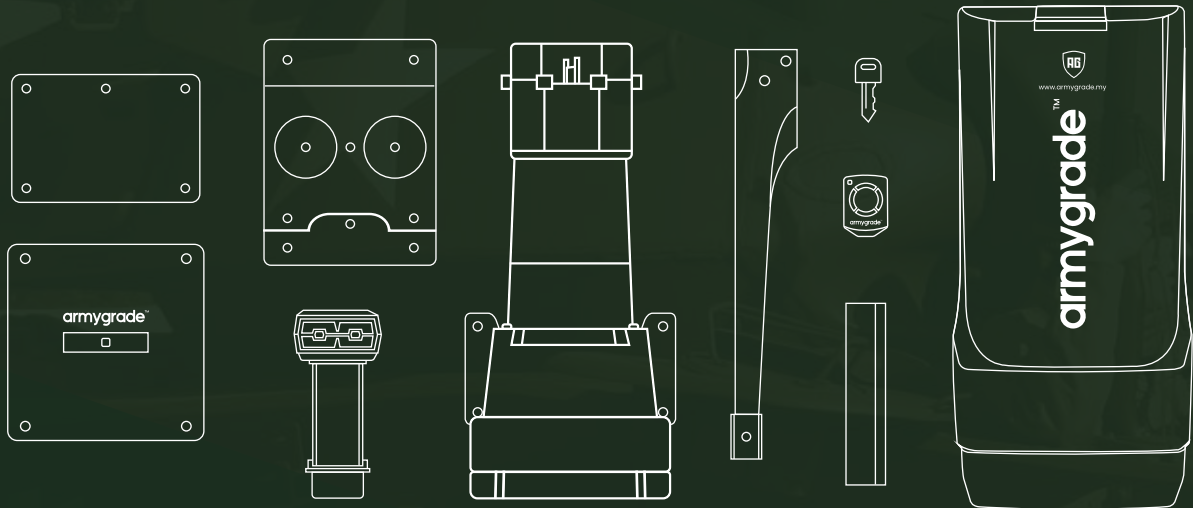
WIRING

SOLAR

T&C APPLY

LESS COMPLEX INSTALLATION & MAINTENANCE

After four years of armygrade work in the autogate industry, we have finally came out an autogate system that is easier to assemble while maintaining the effectiveness. Our goals with this new motor system are to make the RPG-7 motor model perform to the highest levels even with simpler mechanical and design. This motor can accommodate capabilities that aren't often found in normal autogate system motors.



RPG-7 PARTS

- | | |
|---|---------------------|
| ● Time saving on installation & maintenance | ● Low maintenance |
| ● Clear instructions & easy to use | ● Handyman friendly |





● INFRARED SAFETY BEAMS
SENSOR

● MANUAL OVERRIDE LOCK

● CONTROL BOARD

● REMOTE RECEIVER

● SIREN BUZZER

● GEAR MOTOR

● GEAR BOX

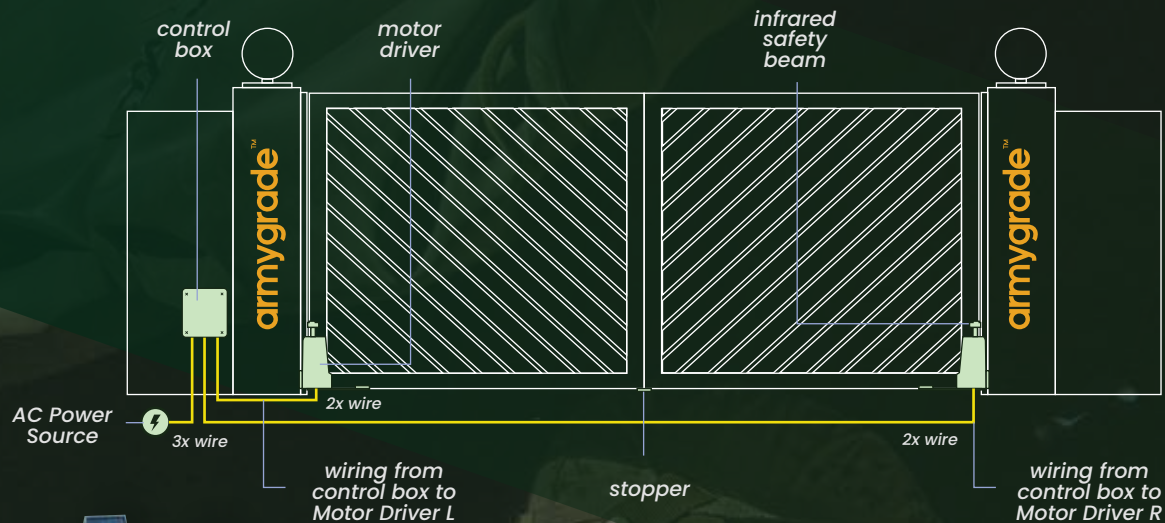


◆ **COMPACT EVERYTHING INTO ONE** ◆

AUTOGATE SYSTEM

POWERING OPTIONS

WIRING POWER



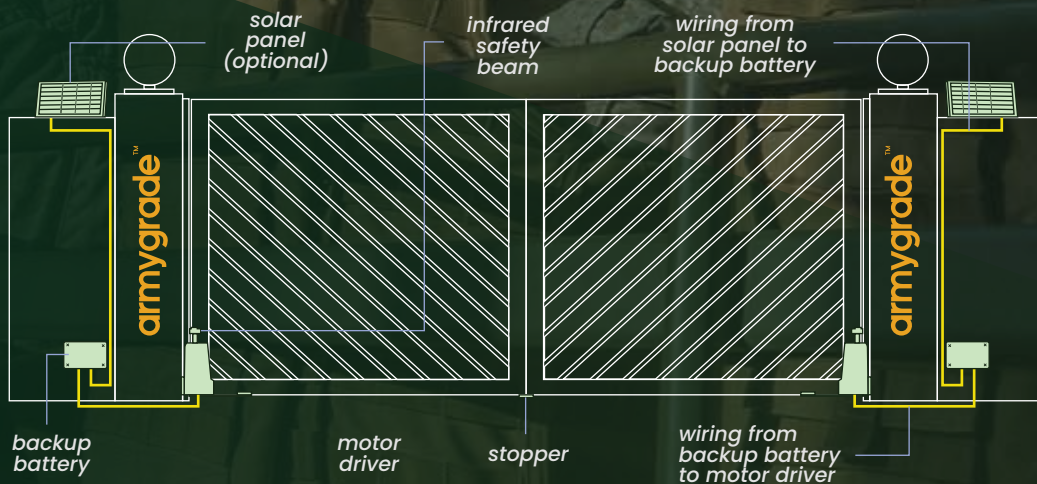
**RPG-7
MOTOR
SYSTEM
+
WIRE**



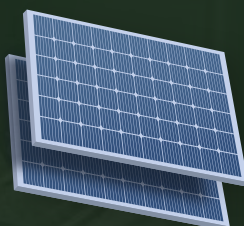
SUITABLE FOR:

Required
underground
electrical wiring

SOLAR POWER



**RPG-7
MOTOR
SYSTEM
+
SOLAR
PANEL**



SUITABLE FOR:

Required consistent
of direct sun
exposure

SMOOTH FUNCTION & LESS ENERGY CONSUMPTION



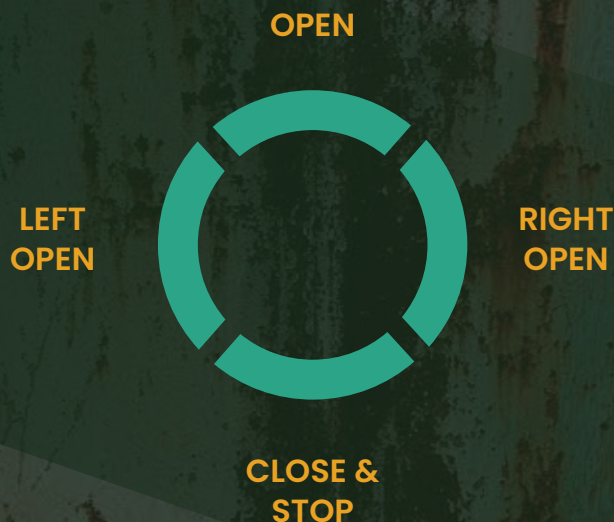
Diagram above shows the result of the comparison between normal autogate system with the RPG-7



ANTISPY

REMOTE CONTROL

- ⚙ A secret code changes every time after used.
- ⚙ Code that copied during transmission can't be use to function the gate.



PANIC ALARM



FORCE CLOSE



ALERT SOUND



NEW ID



AUTOCLOSE TIMER



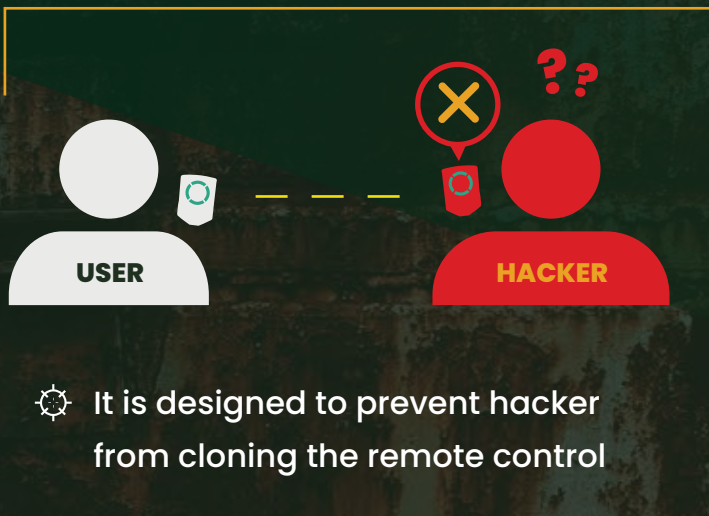
MOTION ALARM



PAIRING LOCK

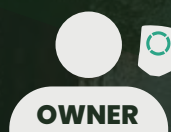


PAIRING

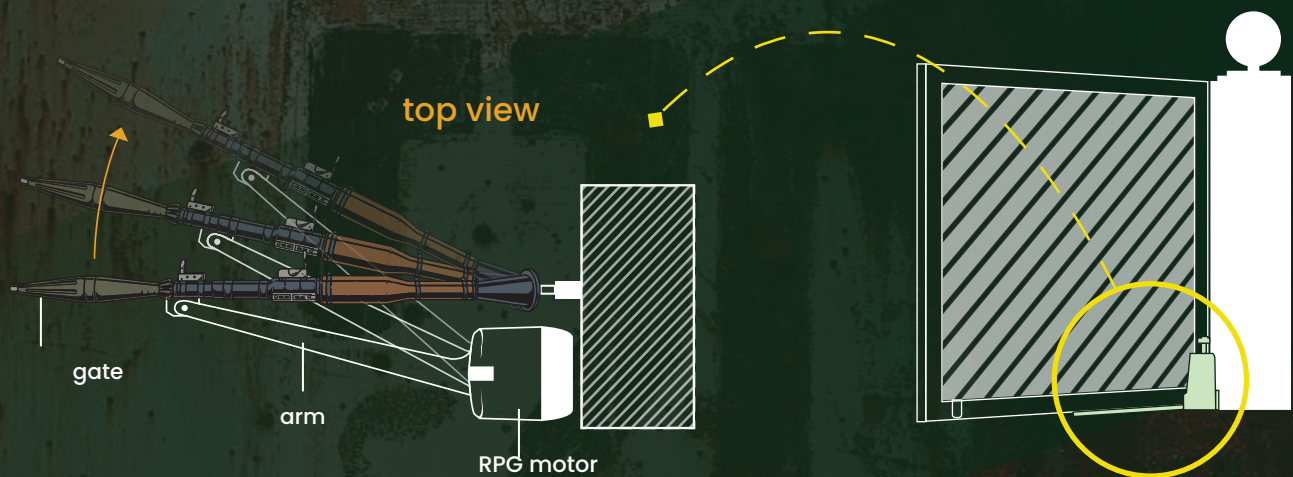


ANTI-DUPLICATION LOCK

- ⚙ Pairing function give users permission to access the gate.
- ⚙ When anti-duplication lock is activated, the remote stop pairing.



◆ RPG-7 FEATURES ◆

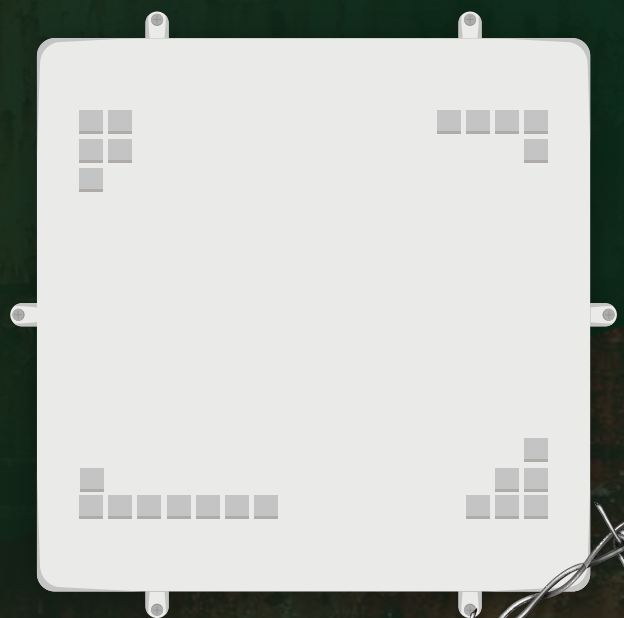


Rotary driver motions are more efficient , keeping your gate movements smoother with less energy used.

SMOOTH FUNCTION ROTARY DRIVER

HYBRID POWER SYSTEM

- ⚙ Will cut off the main supply during standby.
- ⚙ The main supply will only be ON when running the motor or charging the battery.
- ⚙ Reduction of energy consumption by 95%.



EMERGENCY MANUAL OVERRIDE



- ⚙ If the system breakdown, the manual key will help you to unlock the motor, allowing to push the gate by hand.



PANIC ALARM



- ⚙ Emergency alarm can be triggered by the remote control.
- ⚙ Manually control.

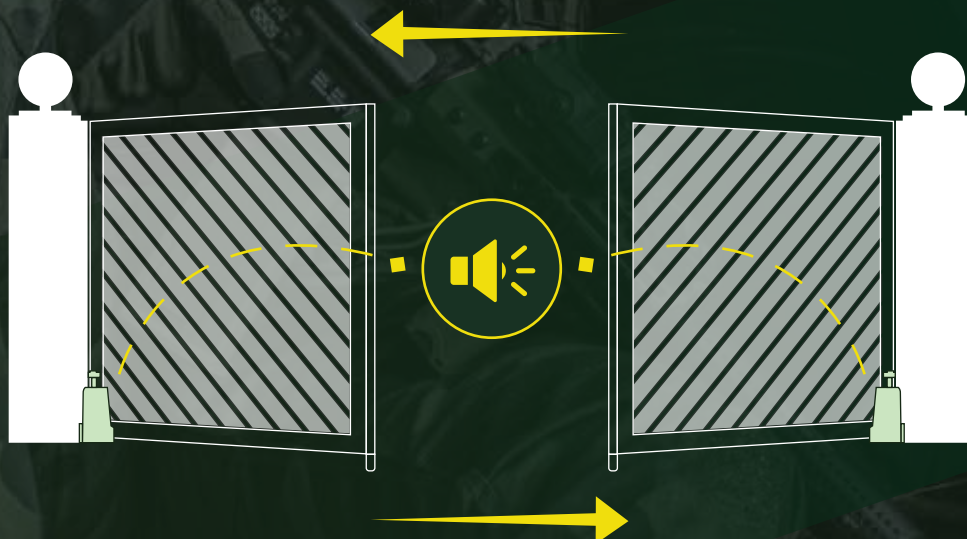


LIGHTNING STRIKE RESISTANT



- ⚙️ RPG-7 designed with the highest specification to prevent the motor from lightning strike

GATE MOTION ALERT SOUND



- ⚙️ Build in motion sound when the gate is close & open
- ⚙️ By just hearing the “beep” sound, user now can know the gate is activated without looking directly at the gate.

FULL LOCKING SYSTEM

- ⚙ For some occasions required full locking, no one can operate the gate.
- ⚙ Auto lock system.

LOCKED



varies with load and battery conditions

- ⚙ This 12V 7.2Ah rechargeable back up battery can last up to 5 days.

BACKUP BATTERY STANDBY MODE



1 IOT HUB & REMOTE CONTROL APP



Available on the
App Store

GET IT ON
Google Play

2 TWIN EYES DUAL BEAM SENSORS

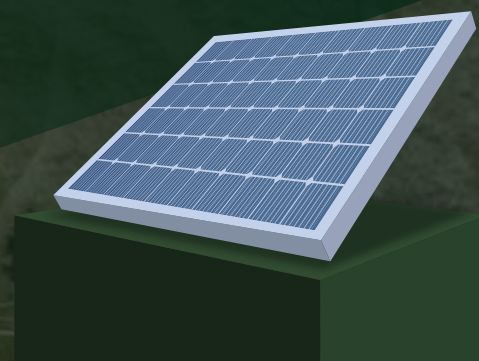


⚙️ Twin Eyes Infrared Safety Beams Transceivers eliminated the malfunctions under strong light.

3 SOLAR POWERING SYSTEM

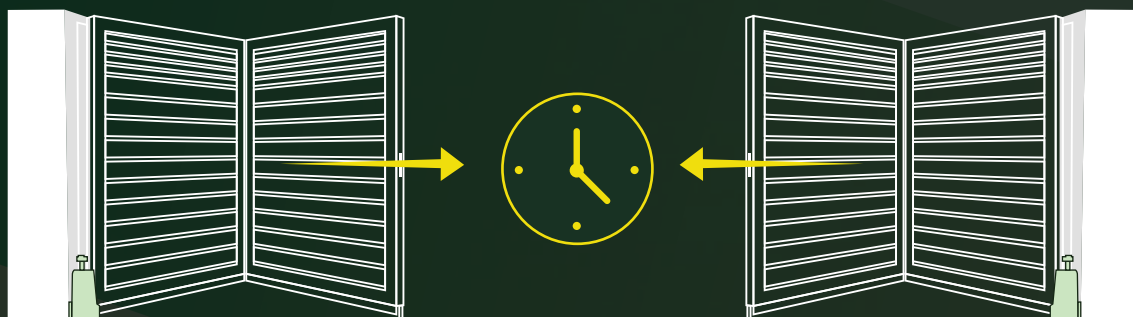


⚙️ 20 Watt Solar panel with DC12V 7AH rechargeable battery. Smart Charger Regulator (S.C.R)



AUTO-CLOSE TIMER DEVICE

- ⚙ The gate will close automatically after being opened for a preset time



- ⚙ Alarm will be triggered when an obstacle interrupts the Infrared Safety Beam
- ⚙ Function can be armed or disarmed through the anti-spy remote control

INTRUDER ALARM DEVICE



INFRARED DUAL BEAM SAFETY DEVICE

- ⚙ Smart infrared beams are constantly lookout for the safety, reversing the gate when obstacle are detected.



◆ SMART WIFI BUTTON ◆



◆ SIMPLE CHECK & MAINTENANCE ◆

Check the blinking LED on the Power Box & Smart Motor



Contact our customer service to inform your autogate system issue

2



3

Replace the broken Smart Motor with the new motor system



RPG-7 TECHNICAL SPECIFICATION

Maximum Rating

	Per Wing	
	Max width (m)	Max Weight (kg)
Swing gate	2	150
Folding tracked gate	4	200
Folding trackless gate	3.4	150

Electrical Specification

Motor Type:	120W PMDC Motor
Standard Operating Voltage:	12V~19V (DC)
Standard Power Usage:	0.015A (Standard) 12A (Maximum Operating Current)
Battery Life:	1500 Operations* 14 Days Standby* *Performance may vary due to loading condition *Tested under laboratory-controlled conditions using a 7AH 12V Battery (Healthy, Full Charge) and a single motor

Mechanical Specification

Driver:	Single Arm Rotary Motion
Gear System:	25 element 4 stage planetary gear train
Transmission Reduction Ratio:	1:2310
Maximum Output Torque:	196Nm (dynamic) 318Nm (static)
Maximum Drivebar Speed:	0.17 rad/s**
Standard Operating Time	(90 Degree Movement) 10 s (90%)** 16 s (100%)**
Recommended Operation Rate:	Less than 100 operations per day **Performance may vary based on gate mass and type

Electronics Specification

Processor:	Microcontroller Embedded System
Remote Radio Frequency:	315MHz OOK
Remote Radio Protocol:	Digicraft Anti-Spy technology
Motion Control:	Digicraft SoftGlide Motion System

Safety & Security Features

Overload Protection:	Yes
Obstacle Detection:	Yes (Safety Beam Required)
Locking Mechanism:	Electromagnetic lock with manual key release
Panic Alarm:	Yes (Triggered from remote control)
Intruder Alarm:	Yes (Arming Required)
Hate Motion Alert:	Yes (Setting Required)

Additional Features

Smart Home Hub Control:	Yes (Digicraft Home IoT Hub Required)
Backup Battery:	Yes

COMPARISON TABLE

FEATURES	NORMAL WIRING	SOLAR PANEL
Power Source	Ac wiring	Solar panel
Underground wiring	Yes	-
Lightnig safety	-	Yes
Infrared safety beam	Optional	Optional
Backup battery	Yes	Yes
Manual override	Yes	Yes
Overload protection	Yes	Yes

PAYMENT METHOD

12 MONTHS



12/24 MONTHS









Outright +
Ezy Payment



Accept
Credit card



Contact:

Remark:

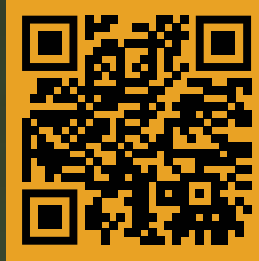
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RPG-7

Automatic Gate System

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Website



Whatsapp



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Seri Kembangan,
Selangor