

## Solar Power Systems

Rotech designs solar kits (panels and batteries) to fit gate openers, boom gates and turnstile configurations.

*On-going technological progress in the gate automation industry combined with increased performance and sizes of solar panels makes it possible to reliably operate sliding or swing gates, boom gates or turnstiles without mains power.*

Rotech custom builds solar power solutions to suit any application both for domestic and industrial applications with 100% duty cycle and up to 1,000 operations per day.

Solar panels need to be mounted in a position where they get the most sunlight, away from trees or buildings. It is usually mounted on a pole or a building at about 2.5 m from the ground. (Average minimum of 4 hours full sun per day.)

The size and number of the solar panel depends on the number of operations per day and the amount of accessories, (PE beams, keypads) that will be fitted. Rotech offers a vast range of low power accessories to work with the Rotech range of operators and solar kit solutions.

For most domestic applications a 30 watt solar panel with a 7 Ah battery will power the gate opener for 10-20 operations per day for two days.

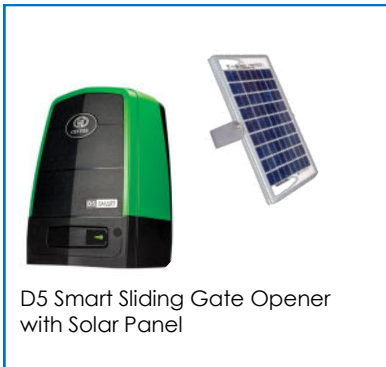
Our Solar Kits have been designed and tested to work with Rotech's range of sliding and swing gate operators, boom gates and full height turnstiles. As every configuration is unique please contact us for assistance and support.

### Why using Solar Power Systems:

- **Battery and solar panel:** The solar panel charges a battery that powers your gate so you have a working gate even if the mains fail or for those cloudy days.
- **Lower cost of installation** as there is no need to run high voltage cables to the gate,
- **Portability:** Boom gates and turnstiles can be used in temporary applications in building sites, quarries or sports events. Special portable bases with the solar panels fitted allow the units to be easily relocated.
- **Standby power:** A standard battery provided can operate for 5 days standby power without sun. This can be upgraded by adding a larger capacity battery and/or a larger solar panel.

### The solar gate opener kit consists of :

- Solar panel
- Stainless steel mounting brackets
- Voltage regulator



D5 Smart Sliding Gate Opener with Solar Panel



Smarty7 Swing Gate Opener with Solar Panel



Bionik Automatic Boom Gate with Solar Panel



Tristar Full Height Turnstile with Solar Panel

# Solar Power Systems Options

Rotech has designed solar kits (regulators, panels, brackets and batteries) to fit their range of gate openers, boom gates and turnstiles. We have selected and tested the best combination of products for the kits in accordance to the gate motors technical specs.

However, each configuration, site and utilisation is different and as such we highly recommend you discuss your solar needs with us to ensure maximum performance and utilisation.

## Solar Kit Stock Items List

Part No	Name	Description
4033	30W 12VDC SOLAR KIT NO BAT(B)	D5 EVO (not SMART) Vantage 400 and 500 No battery
40332	60W CENTSYS STD SOLAR KIT	D5 EVO (not SMART) Vantage 400 and 500 No battery
403341	60W STD SOLAR KIT+7AH BATT(B)	D5 EVO (not SMART) Vantage 400 and 500 Including battery
403342	60W HD SOLAR KIT+33AH BATT(B)	F21 or High Usage D5 EVO and Vantage Including battery
40335	AG LOW USE 30W 24V SOL KIT(B)	AG BK D5 Smart D10 SMART AND D20 SMART Beninca 24V 1x Panel 9 a/h battery
40336	AG MED USE 60W 24V SOLKIT(B)	AG BK D5 Smart D10 SMART AND D20 SMART Beninca 30W 2 x Panels 33 a/h battery
40338	30W 24V Solar Kit no BATT	AG BK D5 Smart D10 SMART AND D20 SMART Beninca No battery



Rotech supply all forms of door and gate automation

### Vehicle Access Control

- Booms Gates
- Sliding Gates
- Swing Gates
- Solar Powered Gate Openers

### Pedestrian Access Control

- Full Height Turnstiles
- Waist Height Turnstiles
- Supermarket Gates/Turnstiles
- Wheelchair Access Gates

**Fast | Safe | Secure**