

Solar Power Systems

Rotech Designs solar kits (Panels and Batteries) to fit all gate openers, boom gates and turnstile configurations.



On going Technology Progress in the gate automation industry combined with now increased performance and sizes of solar panels makes it possible to reliably operate sliding or swinging 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 it gets 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, keypad) 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 range of sliding & swinging gates operators, TriStar Full Height turnstiles and Rotech range of Boom Gates. As every configuration is unique please contact us for assistance and support.

Why using Solar Power Systems:

- Battery + 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,
- 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.
- The standard battery provided can operate for 5 days standby power without sun. However this can be upgraded by adding a larger capacity battery and if need be a larger solar panel.

The solar gate opener kit consists of :

- Solar panel
- Stainless steel mounting brackets
- Voltage regulator

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