

Gate Operator Battery or Solar Panel 12V and 24V Series vs Parallel Connections

Some of our gate operators require 12V power supplies, while others require 24V. Due to these variables, it may be necessary to connect batteries or solar panels together in order to achieve the proper voltage needed for powering your gate operator correctly.

Parallel: For parallel connections, the voltage will stay the same, however the capacity will need to be increased.

Examples:

- 2 x 10W 12V solar panels run in parallel, you will get 20W @ 12V Output
- 2 x 12V 35AH batteries run in parallel, you will get 12V @ 70AH Capacity

Series: For series connections, the capacity will stay the same, however the voltage will need to be increased.

Examples:

- 2 x 10W 12V solar panels run in series, you will get 10W @ 24V Output
- 2 x 12V 35AH batteries run in series, you will have 24V @ 35AH Capacity

