



Solar Battery Pack for Richmond Gate Motors GTR205

**Suits the Following Richmond Gate Motors:
GTR061, GTR064, GTR207, GTR099 GTR058, GTR062, GTR078**

Take your automatic gate off the grid – this solar battery pack contains almost everything you need to convert your automatic gate into a self-sufficient solar powered gate solution.



GTR205

Solar Panel (GTR049) Sold Separately

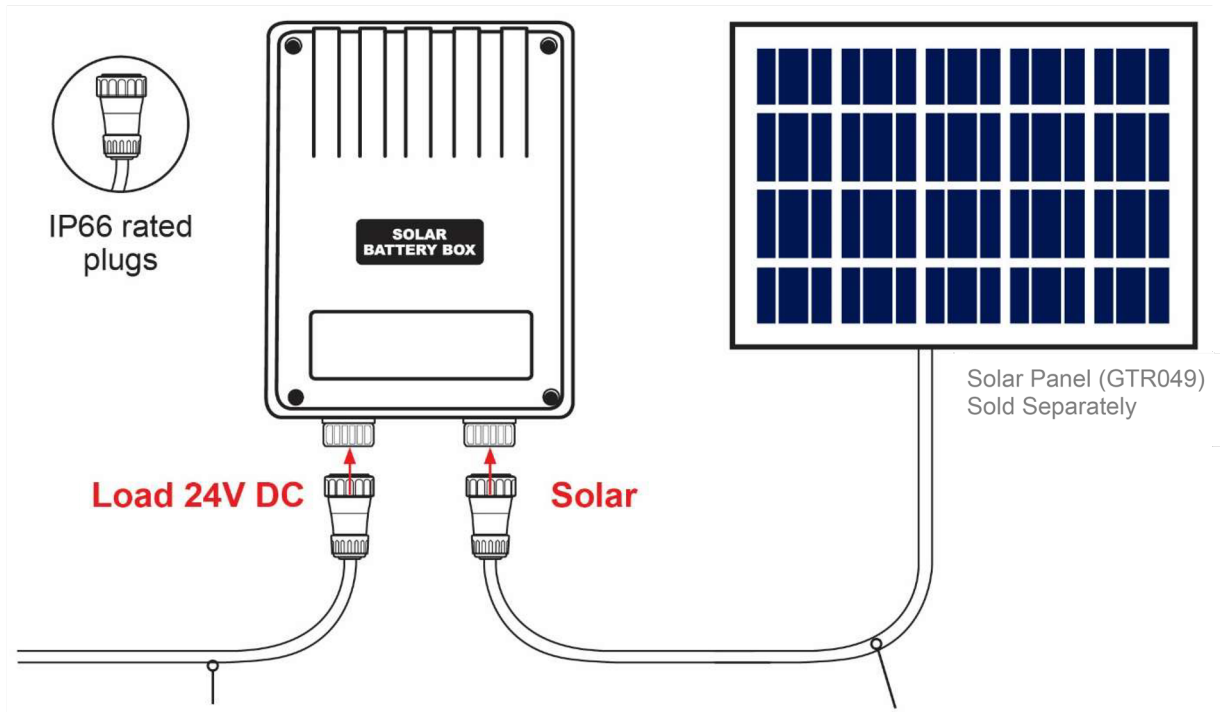
Instructions must be read before beginning installation. Please follow these instructions carefully, incorrect installation could affect gate operation. If you require more information, please contact your local Richmond Wheel & Castor Co branch.

AU: 1300 474 246 **NZ:** 0800 61 71 81 **International:** +613 9551 2233

For installation or troubleshooting assistance visit gatesupport.richmondau.com

GTR205 Solar Battery Pack: How it Works

The solar panel charges the batteries via the solar regulator, the batteries store the voltage generated from the solar panel to run your gate.



2 pin plug supplied with 2m of 2-core cable.
Connect to the circuit board of your gate motor.
See following pages for instructions.

2 pin plug supplied with 5m of cable.
Red + (positive) and Black - (negative)
Connect to your solar panel.

Supplied with this box is a red battery jumper cable.

This red cable is used to connect the positive and negative battery terminals contained inside the box.
See following page for instructions.



Installing the GTR205 Solar Battery Pack

CAUTION: The correct connection process listed below must be followed to avoid component damage during installation.

1. Mount the GTR205 solar battery pack within 1.5m of your gate opener.
2. Remove the plastic cover from the battery pack.
3. Connect the electrical components and cables in the order shown below.

CAUTION!

Not following these steps in order may result in shorting of wires and damage to components!

Step 1 – Connect the Red and Black wires from the 2-metre cable to the correct + and - terminals on the gate motor PC board.

Step 2 – Connect the **LOAD** plug into the labelled **LOAD** socket.

Step 3 – Connect the Red battery jumper cable to the + and – battery terminals inside the solar battery pack (see fig 1 below)

Step 4 – Connect the Red and Black wires from the 5-metre cable to the correct + and – terminals on the solar panel.

Step 5 – Connect the **SOLAR** plug into the labelled **SOLAR** socket.

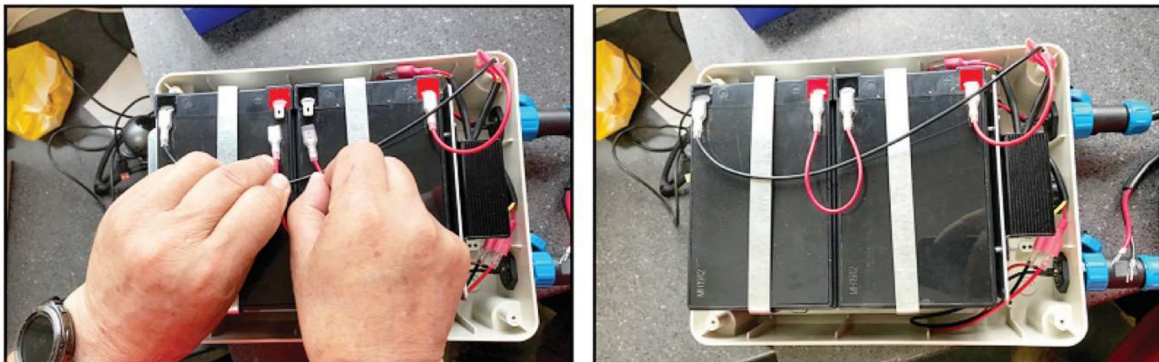


Fig 1

4. The voltage level on the digital display will show the current battery voltage. When charging is taking place you will see the digital battery icon filling up.

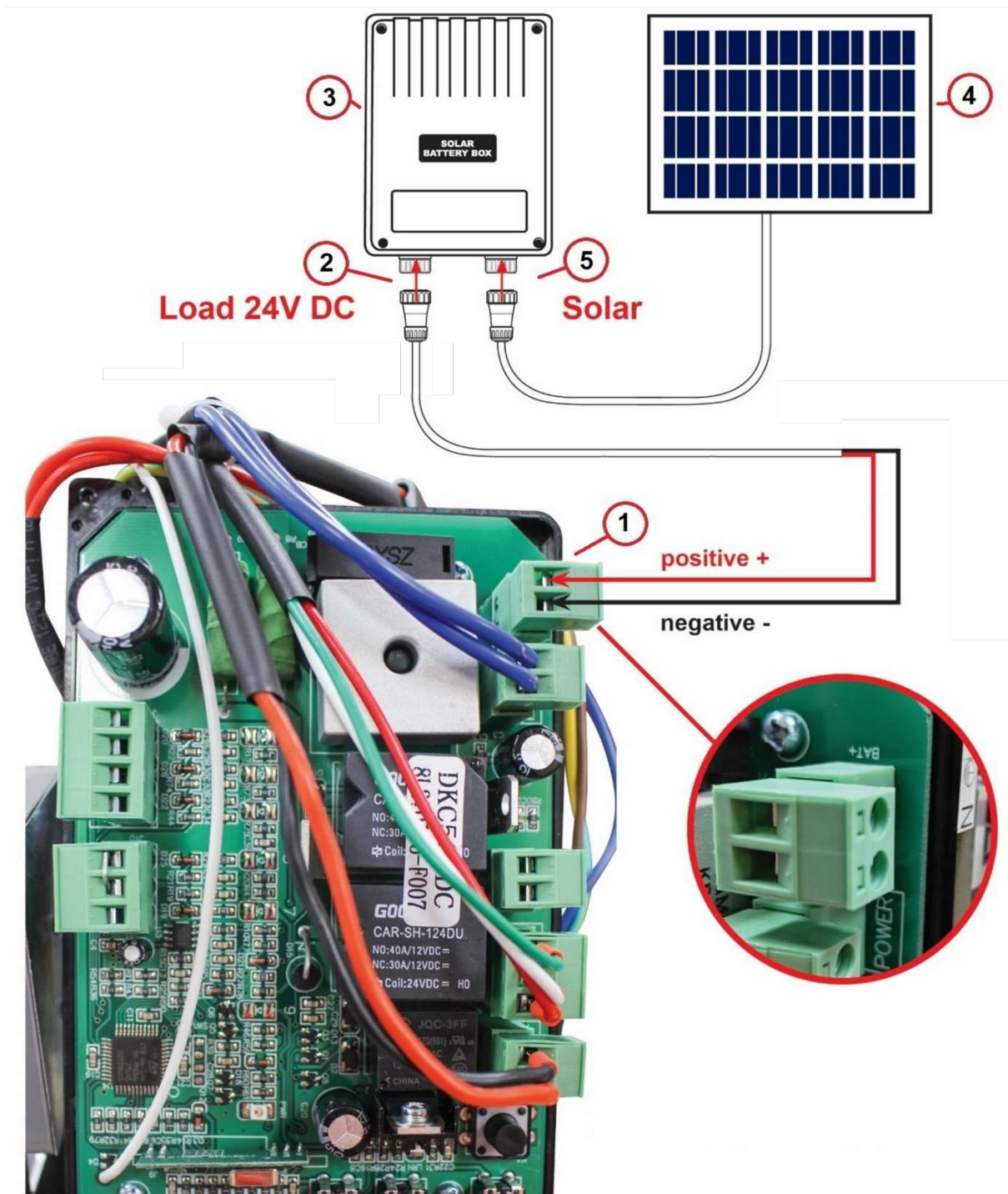


When the red jumper cable between the batteries is connected the digital display will power up to display the current charge.

When charging the battery icon on the display will start filling up

Instructions for connecting the GTR205 to the circuit board of each Richmond gate opener can be found in the following pages.

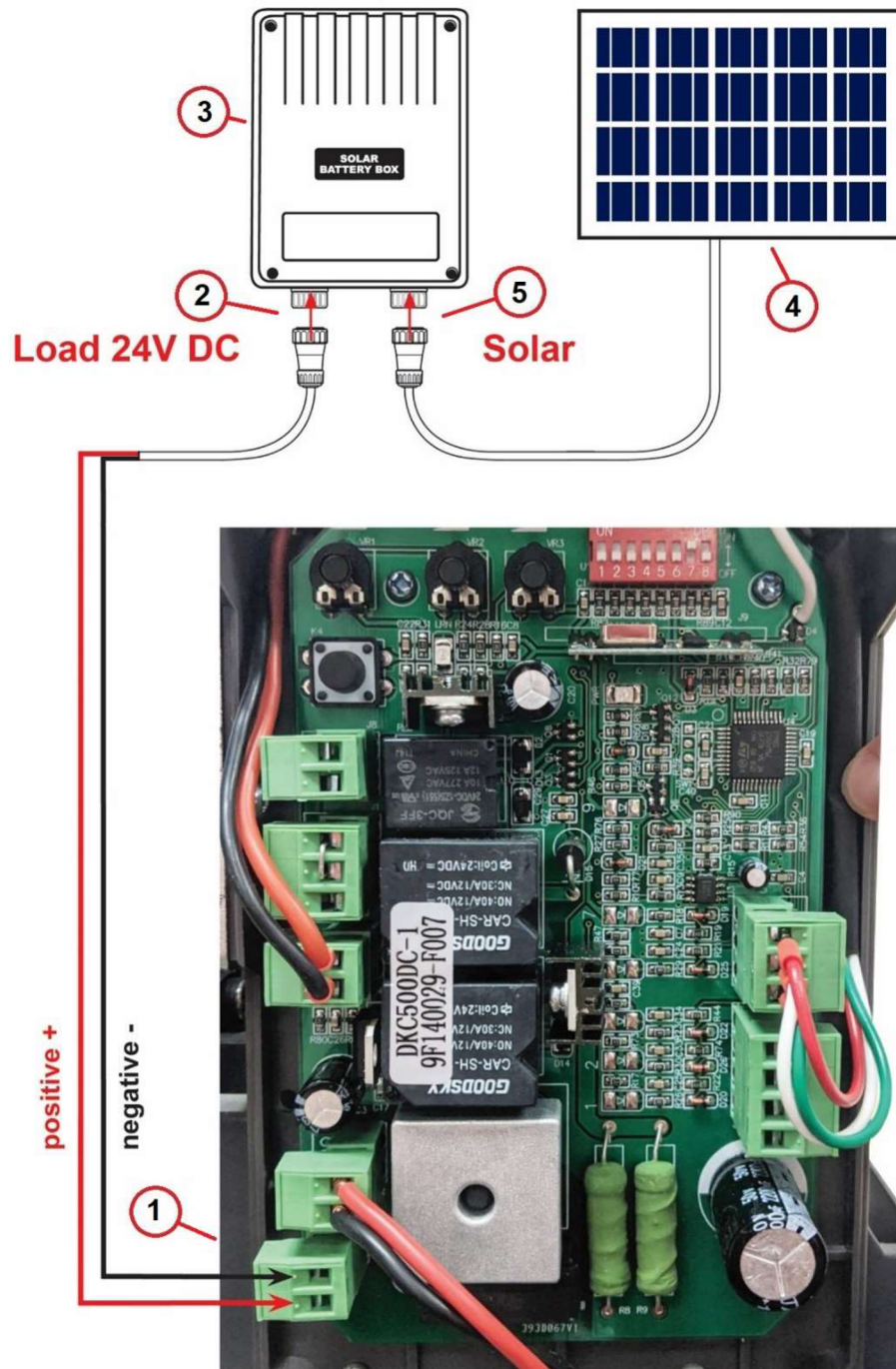
Connecting to the GTR064 Sliding Gate Motor



CAUTION: Follow this connection process to avoid component damage

- Step 1** – Connect the 2-metre cable to the correct + and - terminals on the PC board.
- Step 2** – Connect the **LOAD** plug into the labelled **LOAD** socket.
- Step 3** – Connect the Red battery jumper cable
- Step 4** – Connect the 5-metre solar cable to the correct solar panel terminals.
- Step 5** – Connect the **SOLAR** plug into the labelled **SOLAR** socket.

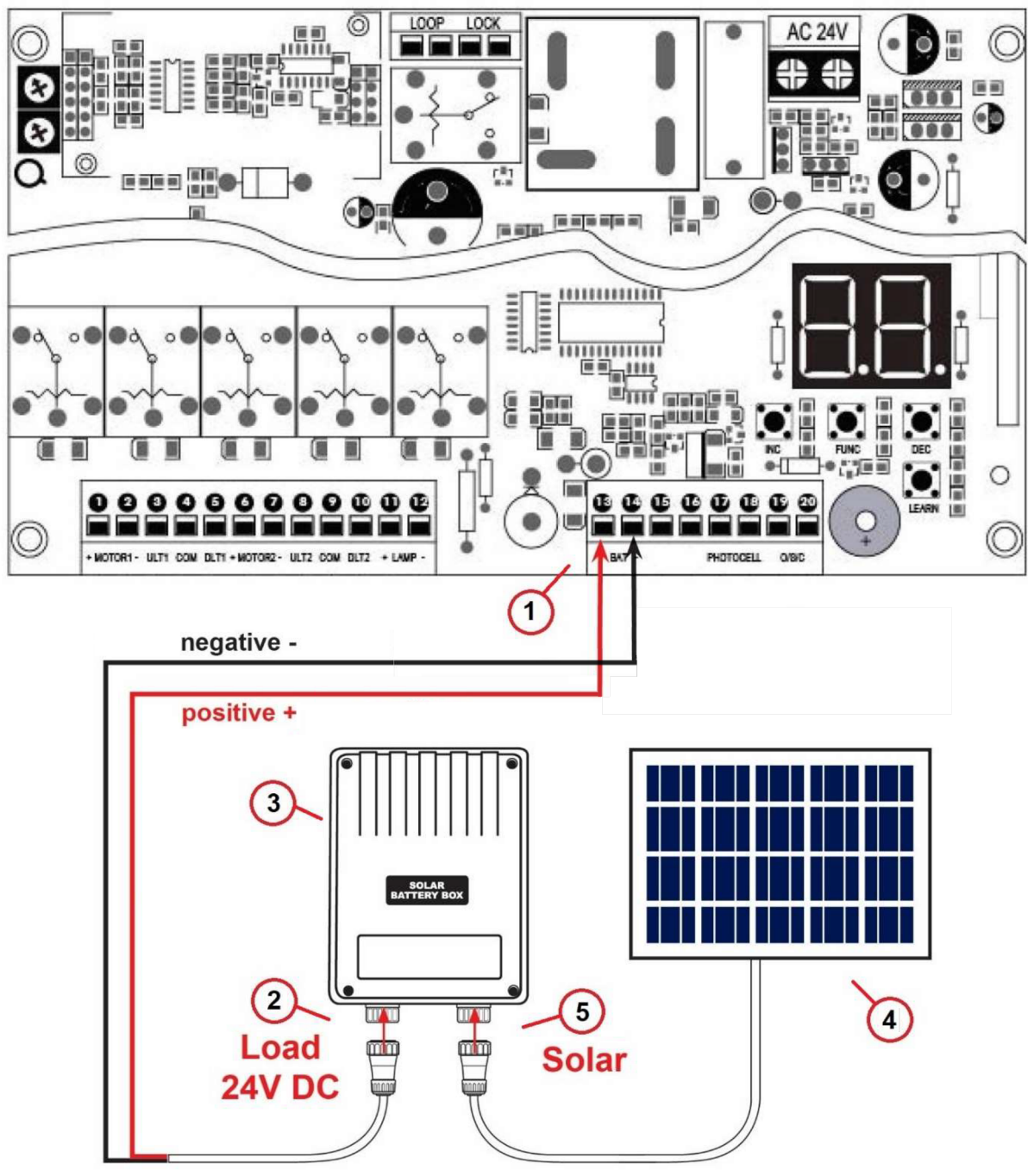
Connecting to the GTR207 & GTR061 Sliding Gate Motors



CAUTION: Follow this connection process to avoid component damage

- Step 1** – Connect the 2-metre cable to the correct + and - terminals on the PC board.
- Step 2** – Connect the **LOAD** plug into the labelled **LOAD** socket.
- Step 3** – Connect the Red battery jumper cable
- Step 4** – Connect the 5-metre solar cable to the correct solar panel terminals.
- Step 5** – Connect the **SOLAR** plug into the labelled **SOLAR** socket.

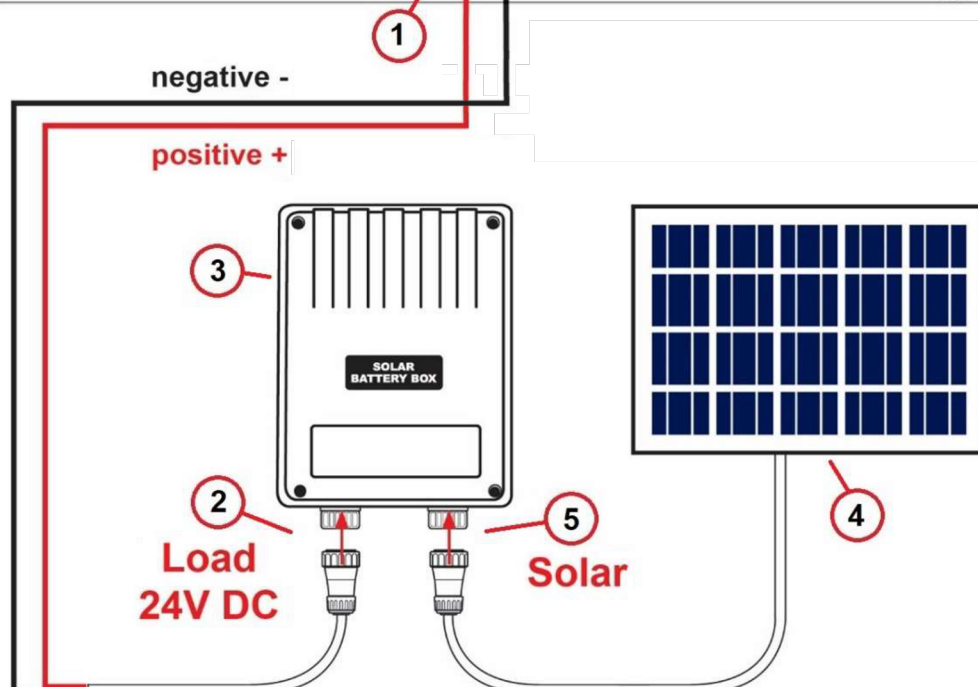
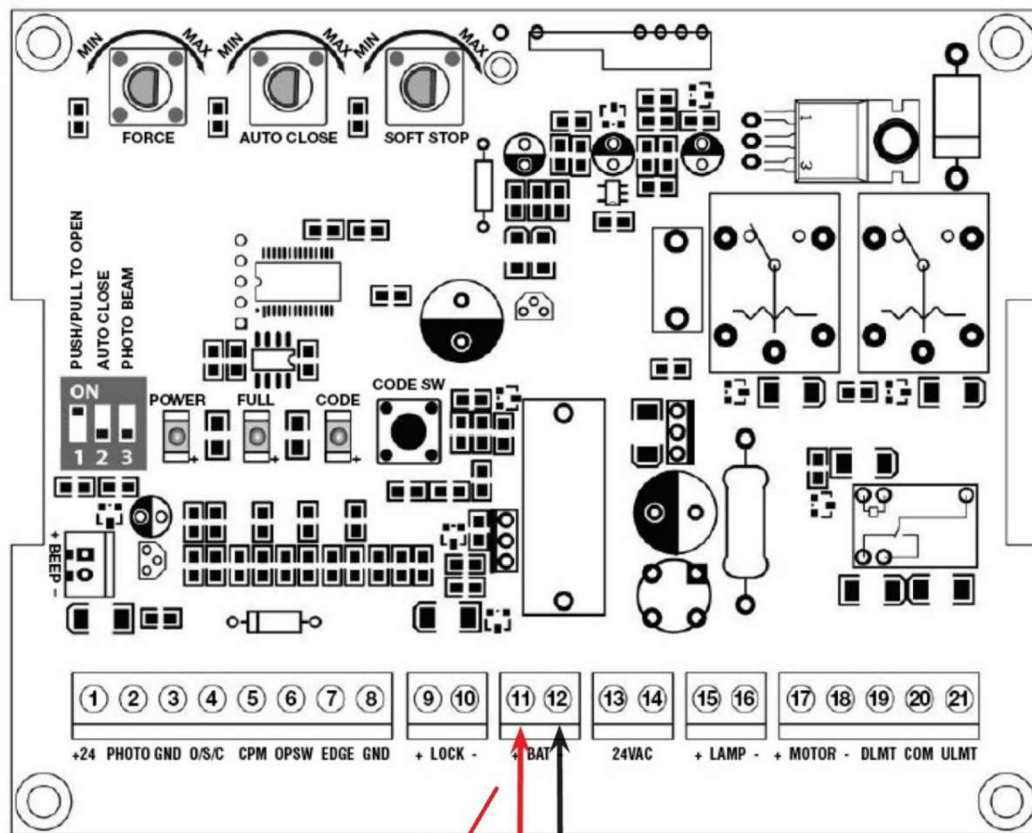
Connecting to the GTR058 Swing Gate Motor



CAUTION: Follow this connection process to avoid component damage

- Step 1** – Connect the 2-metre cable to the correct + and - terminals on the PC board.
- Step 2** – Connect the **LOAD** plug into the labelled **LOAD** socket.
- Step 3** – Connect the Red battery jumper cable
- Step 4** – Connect the 5-metre solar cable to the correct solar panel terminals.
- Step 5** – Connect the **SOLAR** plug into the labelled **SOLAR** socket.

Connecting to the GTR099 Swing Gate Motor



CAUTION: Follow this connection process to avoid component damage

Step 1 – Connect the 2-metre cable to the correct + and - terminals on the PC board.

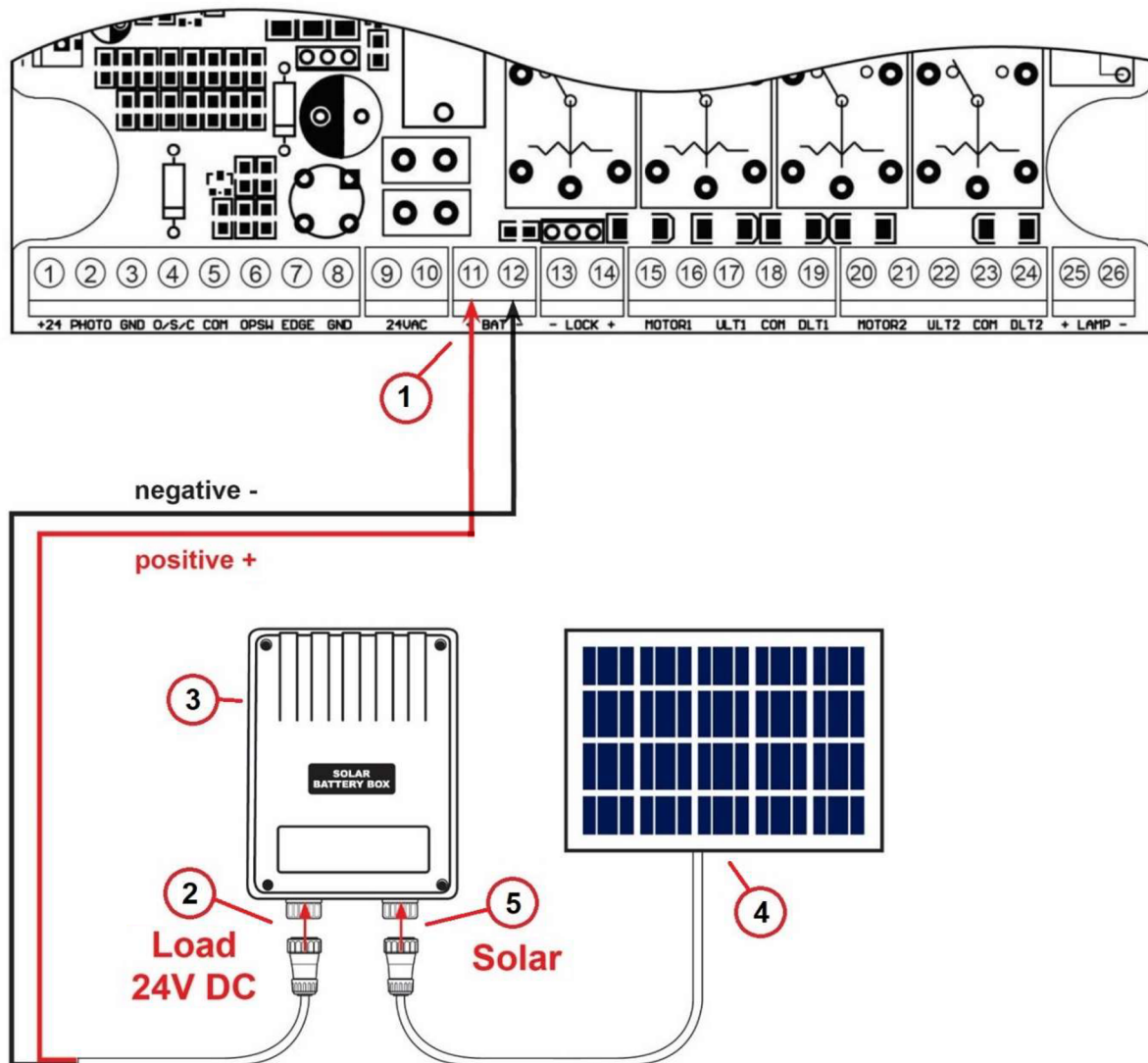
Step 2 – Connect the **LOAD** plug into the labelled **LOAD** socket.

Step 3 – Connect the Red battery jumper cable

Step 4 – Connect the 5-metre solar cable to the correct solar panel terminals.

Step 5 – Connect the **SOLAR** plug into the labelled **SOLAR** socket.

Connecting to the GTR062 or GTR078 Swing Gate Motors



CAUTION: Follow this connection process to avoid component damage

- Step 1** – Connect the 2-metre cable to the correct + and - terminals on the PC board.
- Step 2** – Connect the **LOAD** plug into the labelled **LOAD** socket.
- Step 3** – Connect the Red battery jumper cable
- Step 4** – Connect the 5-metre solar cable to the correct solar panel terminals.
- Step 5** – Connect the **SOLAR** plug into the labelled **SOLAR** socket.