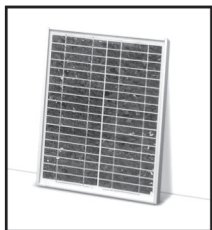
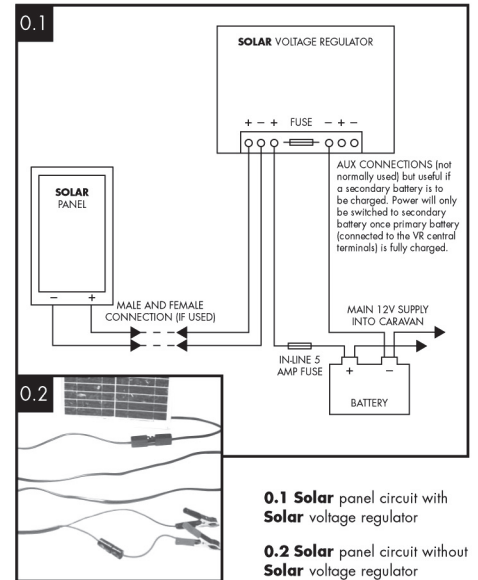


Connecting your **Solar** panel...

Product contents

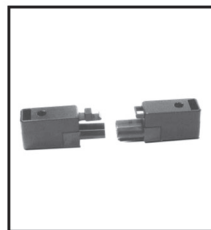
- 1 x Cable
- 1 x In-line connector
- 1 x In-line fuse
- 2 x Crocodile clips
- 6 x Ring terminals



Solar Panel



Cable



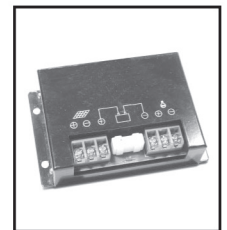
In-line connector



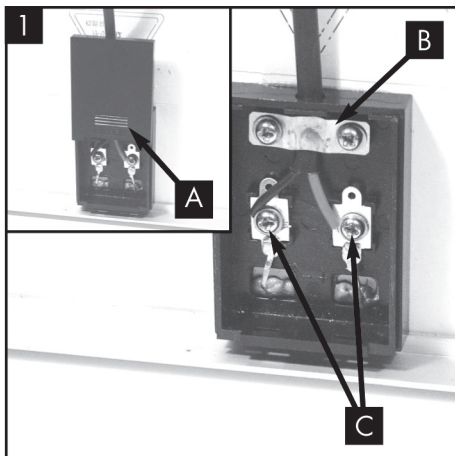
In-line fuse



Crocodile clips and ring terminals



Voltage regulator (NOT INCLUDED)



STEP 1: Fitting the cable to the Solar panel

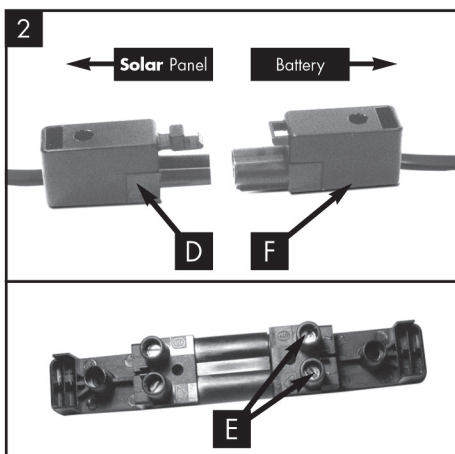
- 1.1** Remove the **cover (A)** from the terminal box on the rear of the **Solar** panel.
- 1.2** Unscrew and remove the **cable clamp (B)**. Loosen (do not remove) the two **terminal screws (C)**.
- 1.3** Take one end of the cable and strip back the black outer insulation 4.5cm. Strip back the insulation of the red and black inner cables 1.5cm to expose bare wire.
- 1.4** Feed the cable through the hole in the terminal box.

- 1.5** Twist the bare wire ends tightly and wrap clockwise around the loosened terminal screws. Alternatively, two ring terminals (supplied) can be crimped onto the bare cable ends.

RED (POSITIVE)
BLACK (NEGATIVE)
as marked on inside of terminal box

- 1.6** Tighten terminal screws, refit the cable clamp and replace the terminal box cover.

Note: cable clamp will give best results with low profile cable if fitted with the bulge facing (touching) the cable.



STEP 2: Fitting the in-line connector to cable (OPTIONAL)

This connector is supplied as a convenient means of disconnecting the panel from battery.

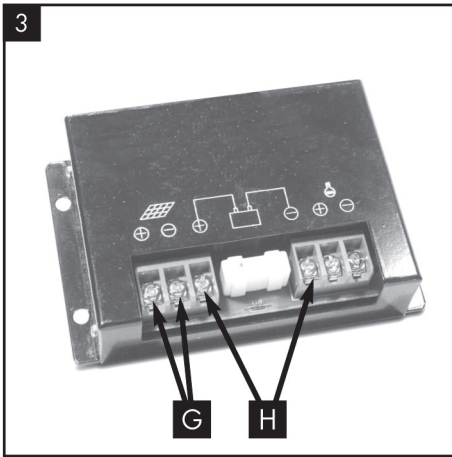
- 2.1** Decide where in the cable you would like to locate the in-line plug and socket. Cut the cable.
- 2.2** Strip back the black outer insulation of the cable connected to the solar panel 2cm. Strip back the insulation of the red and black inner cables 0.5cm to expose bare wire.
- 2.3** Remove the cover screw on the **male plug (D)** and remove the cover. Loosen the **two terminal screws (E)**.

- 2.4** Twist the bare wire ends tightly and feed through the hole on the plug. Fit each wire end into the correct terminal and tighten the clamp screw:

RED (POSITIVE) = terminal 1 (E)
BLACK (NEGATIVE) = terminal 2 (E)

- 2.5** Tighten terminal screws and replace cover.

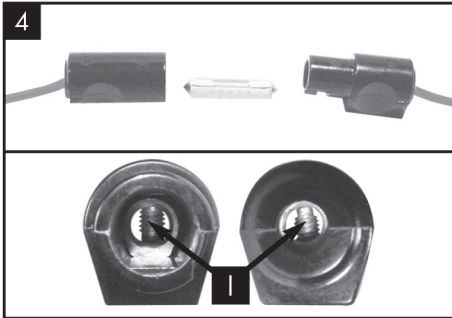
- 2.6** Repeat procedure for the **female socket (F)**.



STEP 3: Connecting cables to **Solar** voltage regulator

(if required)

- 3.1 Position the **Solar** voltage regulator as close as possible to the battery (must be a dry location).
- 3.2 Measure the distance between your battery terminals and the **Solar** voltage regulator.
- 3.3 Cut the measured distance from the end of the cable.
- 3.4 Prepare as described in 2.2 the end of the cable from the inline connector (if fitted) and attach to the **two terminals (G)** on the **Solar** voltage regulator.



- 3.5 Take one end of the remaining cable, prepare as above and attach to the **centre terminals (H)** on the **Solar** voltage regulator by using the same procedure as described in 1.5.

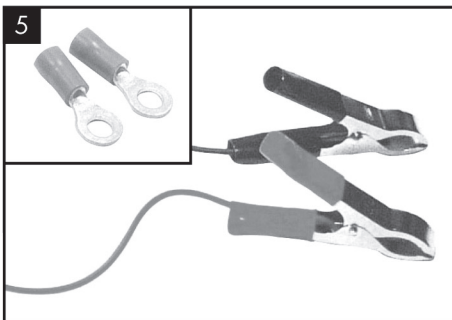
NOTE:

RED = POSITIVE (+)

BLACK = NEGATIVE (-)

STEP 4: Fitting the fuse

- 4.1 Strip back the black outer insulation of the cable 20cm.
- 4.2 Cut the red cable at the halfway point and strip 5mm of the red insulation from both the cut ends. Twist the bare wire ends tightly. Fit into the **screw terminals (I)** on each of the fuse holder pieces.



STEP 5: Connecting the cable to your battery

- 5.1 Strip the red and black insulation (3cm) from the inner cable ends. Attach the cable to crocodile clips

by following the same procedure as described in 1.5.

WARNING - only attach crocodile clips to a stationary battery.

- 5.2 Alternatively, for a more permanent connection to the battery, strip red and black insulation (6cm) from the inner cable ends, twist the bare wire and wrap around the battery terminals and fix into position using your battery clamps. Some clamps have connection screws fitted, in which case, if the supplied ring terminals have been crimped onto the wire ends, simply attach using your battery clamp screws.
- 5.3 When connecting to a battery always observe correct polarity.