



**Clean
Portable
Power®**

Instructions for Clean Portable Power 200w Folding Solar Panel

sales@cppower.com.au
support@cppower.com.au

Introduction

Thanks for purchasing our CPP 200w Folding Solar Panel Unit(s).

These units have been designed to charge the Ecoflow Delta portable Power Station which has an inbuilt MPPT Solar Regulator. They can also be used for other charging applications though in most cases an additional (not supplied) Solar regulator will be required.

This 200w Solar Panel unit is comprised of 2 x 100w solar panels

- Each panel has a separate control box on the rear - From this control box are Positive (+) and Negative (-) cables terminating in MC4 Connectors
- Included with each 200 w Panel unit are 2 MC4 Branch connector cables which allow the 2 x 100w panels to be combined and function as a single 200w unit
- Included with each 200w Panel unit is a MC4 to XT60 Extension Cable
- The way you connect the cables together determines the output and voltage of the combined unit
- The cables are marked + and - to allow easy connection
- It is possible to connect multiple 200w units together to increase the total charge rate of the Ecoflow Delta
- Don't worry, the MC4 connectors for + and - are different in type so you can't inadvertently make the wrong connections - look at the connections carefully and don't force something if it doesn't fit
- Please Look carefully at the photos below

Care Instructions

- These panels should be kept in their cover while not in use
- Keep the solar panel surface clean - wipe with a soft non scratch cloth - even a dusty coating will impact the panel performance
- Keep all connectors clean and free of dirt
- Keep the supporting legs clean when packing up so you don't pack dirt away with the panels that could get into the connectors
- These panels have an ETFE coating which is waterproof and durable however these are portable panels and are not designed to be left out in the weather indefinitely and this type of application is not covered by warranty

Option 1 - Simple Parallel Connection Format - 1 Unit

- Start by opening the panels face down on a soft non scratch surface allowing you easy access to the rear of the panels (See Photo 1)
- Using the included Positive branch connector insert the Positive (+) cable from both panels into the positive receivers (See Photo 2)
- Using the included Negative branch connector insert the Negative (-) cable from both panels into the positive receivers (See Photo 2)
- Insert the positive and negative MC4 outputs into the MC4 connectors on the Extension cable (Photo 3)
- Plug the Extension cable (Yellow XT60 Connector) into the Ecoflow Delta (Photo 4)
- Lift the panels and set them up facing the sun using the rear support legs to correctly angle the panels
- As long as you have some sun the charging should now commence



Photo 1 Opening the panel



Photo 2 - Parallel Connection



Photo 3 Connecting the MC4 to XT60 Extension Cable



Photo 4 XT 60 Connector Plugged into the Delta

Option 2 - Connecting 2 CPP 200w units in a 2 x Parallel / 2 x Series Connection Format

- Start by opening the panels face down on a soft non scratch surface allowing you easy access to the rear of the panels
- For the first Solar Panel Unit select a Positive (+) and Negative (-) cable and connect them together. This should leave you with a free Positive and a free negative cable (see Photo 5)
- Repeat this for the second panel (see Photo 5)
- Using the included Positive branch connector insert the free Positive (+) cables from each of the 200w solar panel units into the positive receivers (see Photos 6 and 7)
- Using the included Negative branch connector insert the free Negative (-) cables from each of the 200w solar panel units into the negative receivers (see Photos 6 and 7)
- Insert the positive and negative MC4 outputs into the MC4 connectors on one of the Extension cables (see Photo 3)
- Plug the Extension cable (Yellow XT60 Connector) into the Ecoflow Delta (see Photo 4)

- Lift both of the panels units and set them up facing the sun using the rear support legs to correctly angle the panels (see Photo 8)
- Charging should now commence
- In this case the Voltage has been doubled allowing the Solar Regulator on the Ecoflow Delta to accept a higher wattage input.

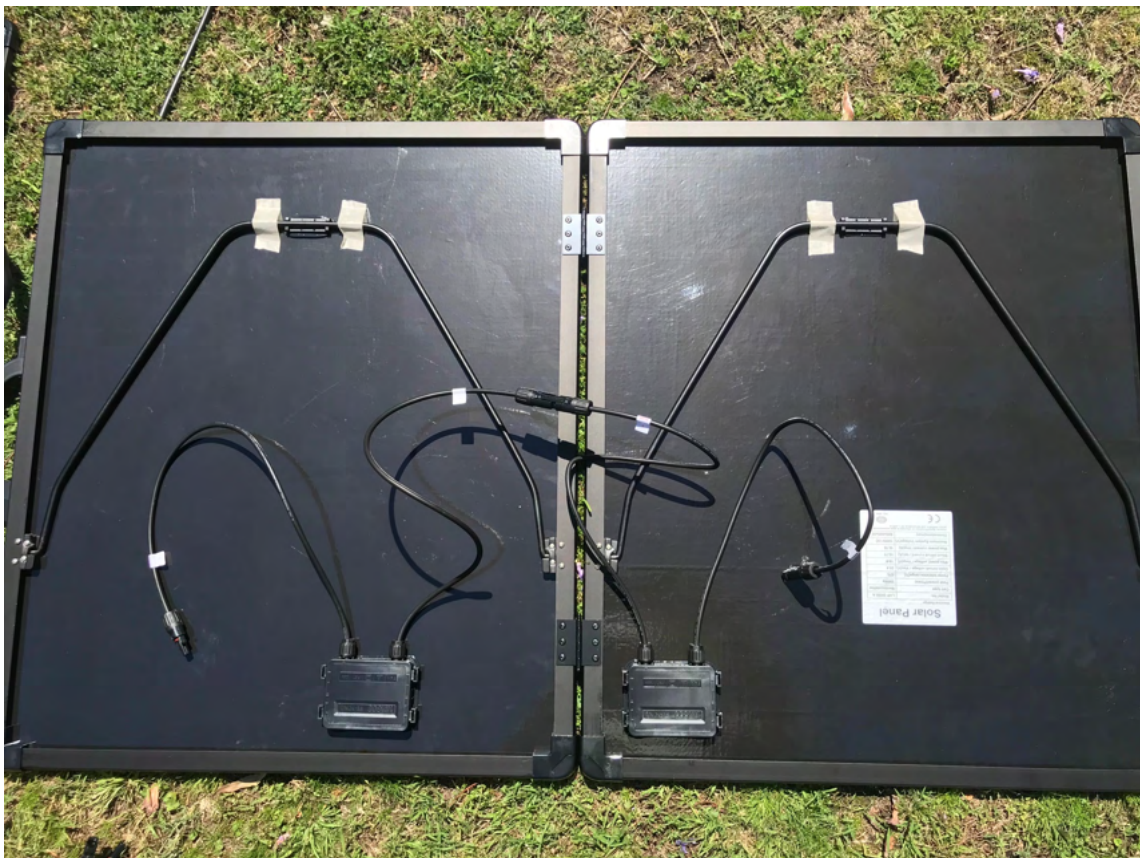
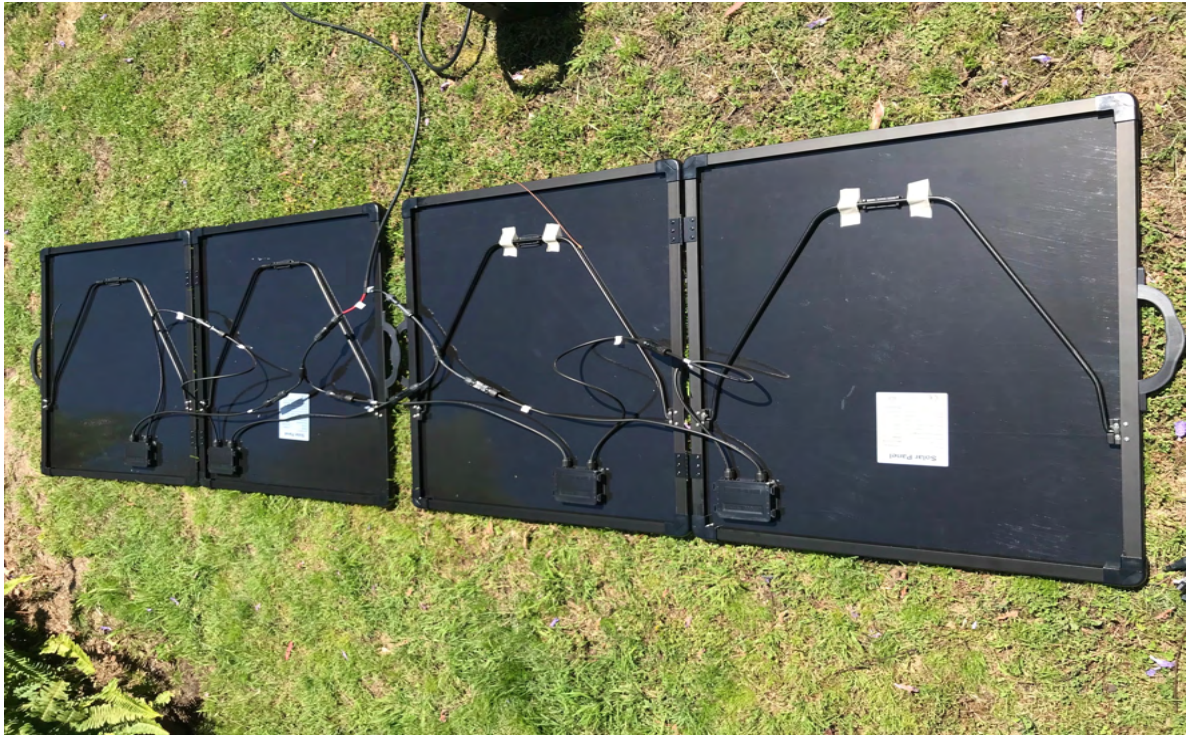


Photo 5 Making a Series (+ to -) Connection





Photos 6 and 7 Different Views of the 2 Panels Units Connected in Series and then in Parallel



Photo 8 The 2 panel units set up, correctly angled and connected to the Delta

If you have any questions please email us and we will be very happy to answer any questions.