

iTECHWORLD
THE POWER EXPERT

**200W / 300W
SOLAR BLANKET KIT**

User Guide



Please read this manual carefully before you use your new solar blanket



Warning & Safety **Information**

- Do not bend the solar panel cells.
- While in use, keep your solar blanket & controller in a ventilated area and away from any corrosive liquids.
- Keep the solar blanket and controller clean at all times, and regularly check connectors to ensure they're free of grit before plugging them in.
- Do not scratch the solar blanket with sharp objects.
- Do not use the solar blanket to charge non-rechargeable batteries. Doing so may result in harm to the user or damage to the solar blanket and controller.
- Do not put corrosive substances on this solar panel.
- Ensure shade from buildings, trees and other objects does not block sunlight while using the panels.
- Ensure nothing sharp or heavy could potentially break or damage the solar blanket during transport or storage.
- This product is not to be used by children.

Technical Information

Model:	300W
Cell Type:	Monocrystalline
Solar Cell Lamination:	ETFE Raptor Skin
Canvas Material:	600D Ballistic Nylon
Power Tolerance %:	± 5%
Max Power Output (W):	300W
Max Power Voltage (V):	18.8V
Max Power Current (A):	16A
Open Circuit Voltage (V):	22.44V
Short Circuit Current (A):	17.2A
Dimensions (Open):	2980x5x680mm (LxWxH)
Dimensions (Closed):	680x50x540mm (LxWxH)
Operating Temperature:	-40°C - 85°C
Weight:	11.5KG

Technical Information

Model:	200W
Cell Type:	Monocrystalline
Solar Cell Lamination:	ETFE Raptor Skin
Canvas Material:	600D Ballistic Nylon
Power Tolerance %:	± 5%
Max Power Output (W):	200W
Max Power Voltage (V):	18.8V
Max Power Current (A):	10.64A
Open Circuit Voltage (V):	22.44V
Short Circuit Current (A):	12.05A
Dimensions (Open):	2170x5x590mm (LxWxH)
Dimensions (Closed):	590x38x550mm (LxWxH)
Operating Temperature:	-40°C - 85°C
Weight:	7.8KG

Dimensions

200W Solar Blanket



300W Solar Blanket



Included In The Kit

1



Solar Blanket: 1x

2



Solar Controller: 1x

3



5M Extension Lead: 1x

4



Battery Clamps: 1x

How To Use

Connecting Steps

1. Extend the solar blanket (1).
2. Fold out the built-in stand.
3. Point the solar cells towards the sun at the optimum angle.
4. Connect the battery clamps (4) onto your battery.
5. Connect the solar controller (2) to your battery using the Anderson plug on the opposite end of the battery clamps (4).
6. Connect the solar blanket (1) to the solar controller using the 5M extension lead (3) if required.

Disconnecting Steps

1. Disconnect the solar blanket (1) from the solar controller (2).
2. Disconnect the solar controller (2) from the battery clamps (4).
3. Disconnect the battery clamps (4) from your battery.
4. Fold up the solar blanket (1) as shown on the following page.
5. Store the accessories in the bag on the solar blanket (1).

Folding Steps



WARRANTY

WHAT DOES THIS WARRANTY COVER?

Under normal usage conditions, this warranty covers:

- Any defect in design or manufacture which results in the product failing to perform substantially as described in authorized advertising or literature.
- We will either repair or replace the product at our discretion providing that the fault is found to have been caused by a design or manufacturing defect and not misuse or tampering.
- You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits provided to you as the consumer by this warranty are in addition to other rights and remedies available to you under Australian law.

THE WARRANTY DOES NOT COVER:

- Any damage resulting from improper use
- Faulty installation or modification made during installation
- The cost of removing and re-installing the product
- Travel and or other expenses due to the customer's remote location
- Transport charges and damage in transit. It is your responsibility to deliver and pick up your product. Including any costs associated with the postage of your repair or replacement product. If you do freight your product, we recommend that you insure against loss or damage.
- Any loss directly or indirectly associated with the product failing to operate.
- Damage caused by mould, insects, animals, misuse, incorrect operation, adverse weather, accidents and fair wear and tear.

**For more information, please
visit our website or E-mail:
www.itechworld.com.au
service@itechworld.com.au**