

KICKASS



**120W/200W DC SOLAR BLANKET
WITH ANDERSON TAIL & USB HUB**

OWNER'S MANUAL

KASB120 | KASB200

V1.1

SAFETY INFORMATION

- The solar blanket must only be used by responsible, capable adults.
- Children must never play with or be left unsupervised around the solar blanket.
- Do not operate the solar blanket unless you have read and understood the manual.
- Never connect the solar blanket directly to a battery; always use a compatible solar regulator with the correct input rating between the panel and the battery.
- Ensure the solar regulator is compatible with the battery type being charged and can handle the panel's input voltage.
- Mount batteries in a well-ventilated area away from sparks, flames, or heat sources.
- Never smoke near the battery.
- Connect and disconnect the solar blanket and solar regulator in the shade where possible to reduce the risk of electric shock.
- The solar blanket performs best when paired with a well-maintained battery.
- Do not use mirrors or other devices to artificially concentrate sunlight on the solar blanket.
- When connecting multiple panels in series, parallel, or series-parallel, ensure all panels are the same model and specifications.
- Check that the combined open-circuit voltage does not exceed the regulator's recommended maximum input voltage.
- Use appropriately rated cables for high-current and voltage applications.
- Ensure the solar blanket is placed on a stable surface or securely attached when in use to prevent slipping, falling, or damage.
- Follow all local and national safety standards when using the solar blanket.
- Handle with care to avoid puncturing or damaging the ETFE coating and solar cells.

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SPECIFICATIONS

KickAss 120W DC Solar Blanket with Anderson Tail and USB Hub

PRODUCT DIMENSIONS	Folded - 326 x 330 x 68 mm (LWH) Unfolded - 1462 x 660 x 15 mm (LWH)
PRODUCT WEIGHT	3.72kg
CELL TYPE	N Type TOPCon monocrystalline silicon
CELL COATING	ETFE
MAX POWER (Pmax)	120W
MAX POWER VOLTAGE (Vmp)	21.6V
MAX POWER CURRET (Imp)	5.56A
OPEN-CIRCUIT VOLTAGE (Voc)	24.84V
SHORT-CIRCUIT CURRENT (Isc)	5.83A
OPERATING TEMPERATURE	-10°C to +65°C / 14°F to 149°F
CONVERSION EFFICIENCY	Up to 25%
OUTPUTS	1 x Anderson plug (120W max) 1 x DC 5521 (120W max) 1 x USB-C PD3.0 45W 2 x USB-A QC3.0 18W
INGRESS PROTECTION RATING	IP67

KickAss 200W DC Solar Blanket with Anderson Tail and USB Hub

PRODUCT DIMENSIONS	Folded - 326 x 330 x 68 mm (LWH) Unfolded - 1708 x 848 x 15 mm (LWH)
PRODUCT WEIGHT	5.85kg
CELL TYPE	N Type TOPCon monocrystalline silicon
CELL COATING	ETFE
MAX POWER (Pmax)	200W
MAX POWER VOLTAGE (Vmp)	21.6V
MAX POWER CURRET (Imp)	9.26A
OPEN-CIRCUIT VOLTAGE (Voc)	24.84V
SHORT-CIRCUIT CURRENT (Isc)	9.72A
OPERATING TEMPERATURE	-10°C to +65°C / 14°F to 149°F
CONVERSION EFFICIENCY	Up to 25%
OUTPUTS	1 x Anderson plug (200W max) 1 x DC 5521 (200W max) 1 x USB-C PD3.0 100W 2 x USB-A QC3.0 18W
INGRESS PROTECTION RATING	IP67

INCLUDED COMPONENTS



KickAss 120W or 200W DC Solar Blanket
with Anderson Tail and USB Hub

PRODUCT FEATURES

TOPCon Solar Cell Technology

With advanced N-Type TOPCon cells, the solar blankets achieve up to 25% solar energy conversion efficiency for fast and reliable charging.

Durable ETFE Coating

The ETFE lamination provides high resistance to heat, corrosion, and outdoor wear, ensuring long-lasting performance.

Efficient Multi-Device Charging

Equipped with an Anderson tail, DC output, USB-C PD, and USB-A ports, the solar blankets allow simultaneous charging of batteries and electronic devices.

Universal Compatibility and Quick Setup

Compatible with all KickAss portable power stations and most solar generators. Built-in Anderson connectors deliver plug-and-play battery charging.

Maximise Solar Power Harvesting

Adjustable kickstands help angle the blankets toward the sun for optimal energy capture.

Easy and Flexible Installation

Pre-cut eyelets and included carabiners allow versatile mounting or hanging options for use on vehicles, tents, or other outdoor surfaces.

Portable and Lightweight Design

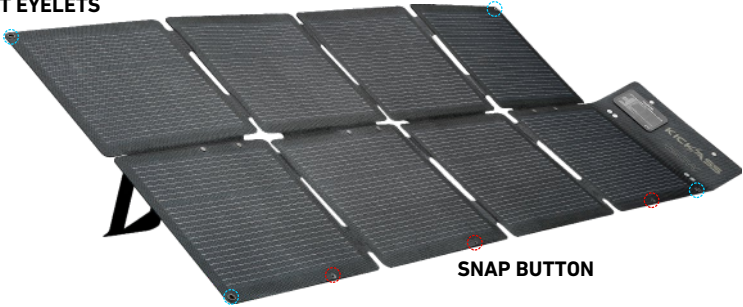
Foldable design with compact dimensions and manageable weight allows easy transport and storage.

Waterproof and Outdoor-Ready

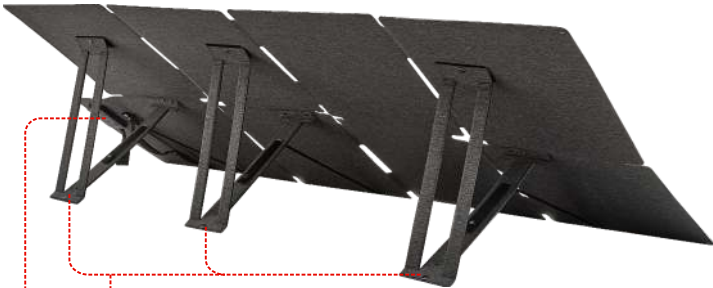
IP67 rating protects the solar blankets from water exposure, keeping them functional in wet or challenging conditions.

PRODUCT OVERVIEW

PRE-CUT EYELETS



SNAP BUTTON



ADJUSTABLE KICKSTAND

USB-A PORT

USB-C PORT

DC5521 PORT

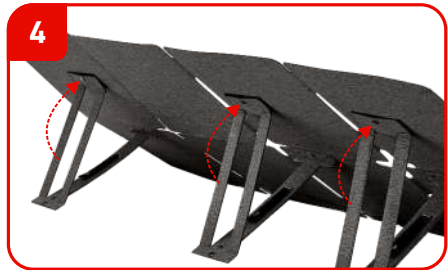
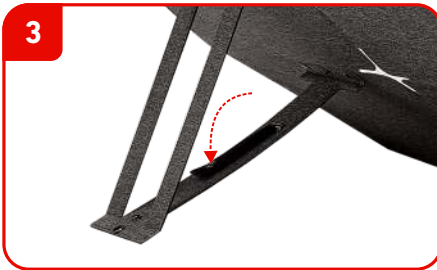
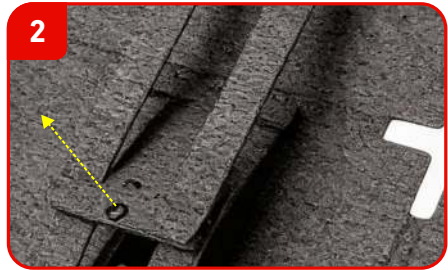


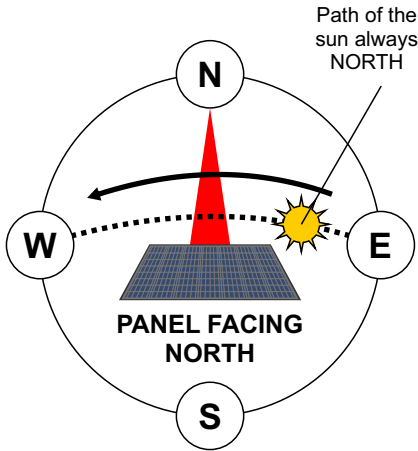
ANDERSON PLUG

USING THE SOLAR BLANKET

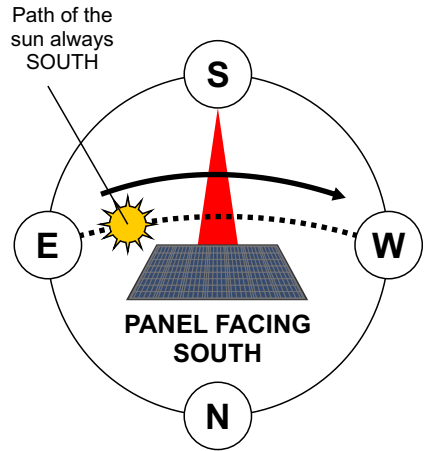
SETUP THE 120W/200W DC SOLAR BLANKET

1. Unclip the strap snap buttons securing the folded solar blanket and fully unfold the panel.
2. At the rear of the panel, unclip the snap button holding the support stand.
3. Attach the securing lace to the second snap button to lock the stand in place.
4. Extend the stand, attaching the Velcro end to the opposing Velcro section on the rear of the panel.
5. Position the solar blanket in an open area free from shade.
6. Angle the panel so the solar cells face directly toward the sun.





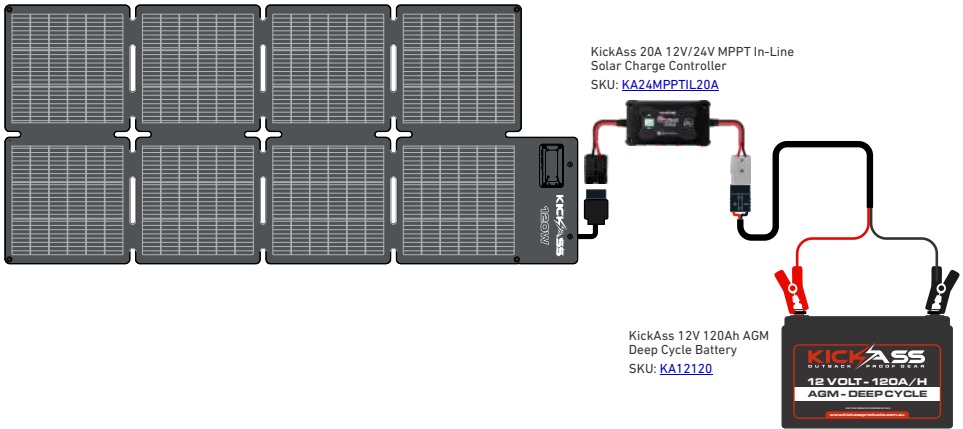
Southern Hemisphere



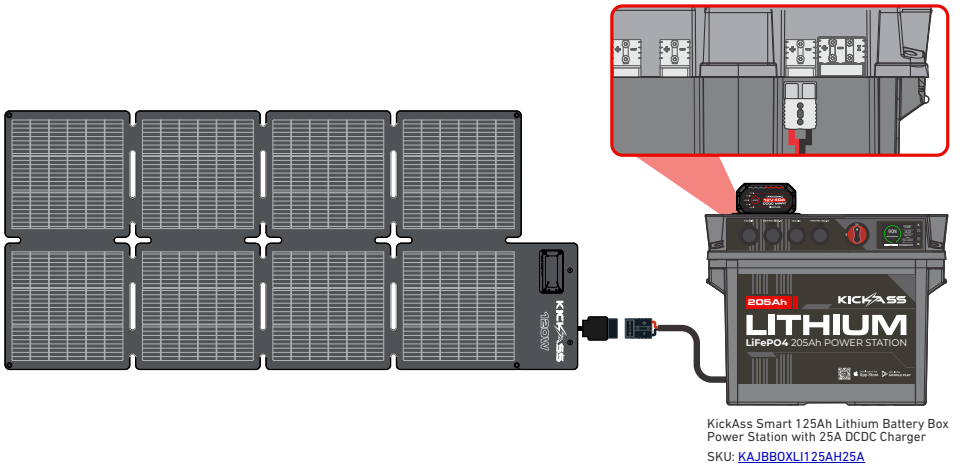
Northern Hemisphere

NOTE: High panel temperatures may reduce the efficiency of the Solar Blanket's output. Heat radiating from surrounding surfaces (for example metal) may reduce the output if there is limited airflow. Factor this in when selecting your mounting location.

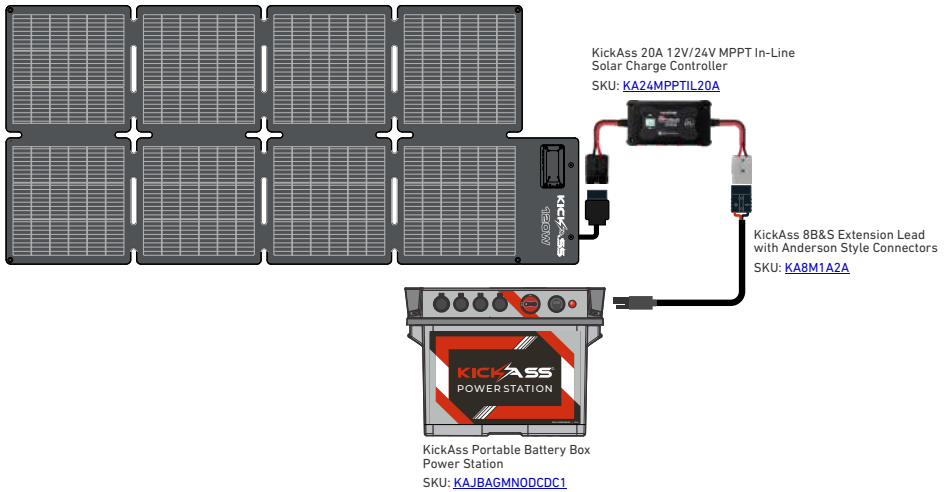
KICKASS 120W/200W DC SOLAR BLANKET TO SOLAR CHARGE CONTROLLER



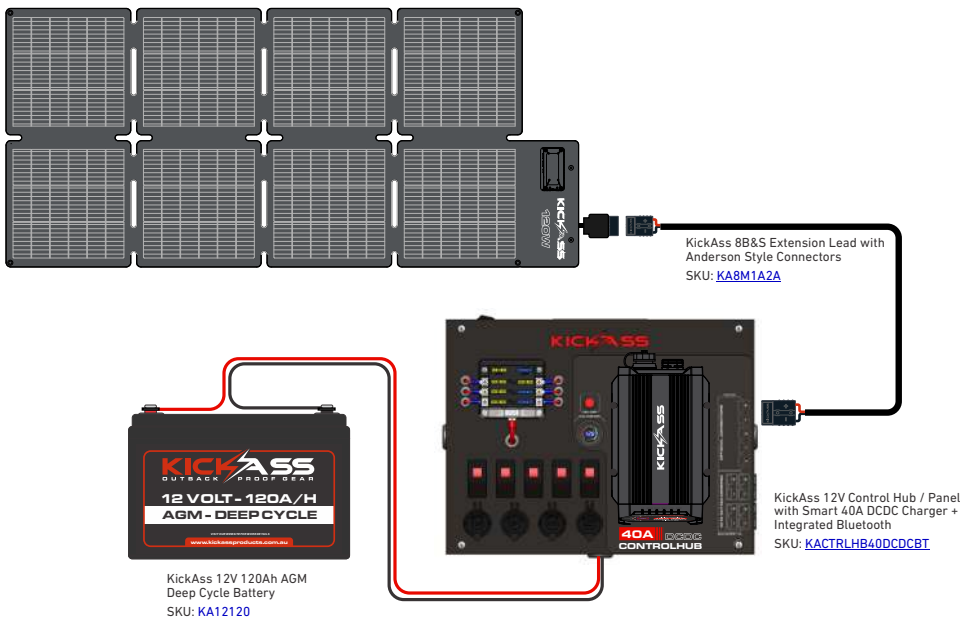
KICKASS 120W/200W DC SOLAR BLANKET TO KICKASS POWER STATION WITH DCDC CHARGER MPPT WITH BLUETOOTH



KICKASS 120W/200W DC SOLAR BLANKET TO KICKASS POWER STATION WITHOUT DCDC CHARGER



KICKASS 120W/200W DC SOLAR BLANKET TO KICKASS CONTROL HUB WITH DCDC CHARGER MPPT

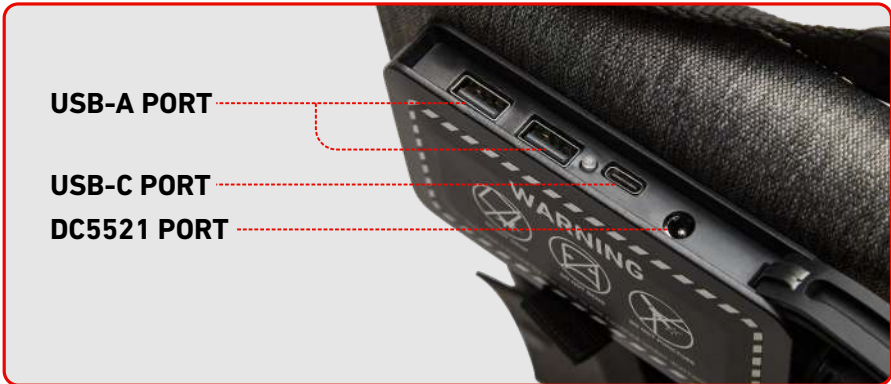


USING OTHER SOCKETS

In addition to the Anderson tail for battery charging, the KickAss Solar Blanket features multiple versatile output ports designed to keep your devices powered wherever you are. These sockets provide convenient options for charging electronics directly from the solar blanket, making it a complete portable power solution for outdoor adventures.

Remove the rubber cover on the junction box to use your desired port;

- The **DC5521** port provides up to 120W on the KASB120 and 200W on the KASB200, making it ideal for charging portable DC devices.
- The **USB-C PD** port delivers fast charging with 45W on the 120W model and 100W on the 200W model. It's perfect for laptops, tablets, and modern smartphones that require higher power input.
- The two **USB-A QC3.0** ports each offer up to 18W, making them suitable for charging phones, cameras, power banks, and other small electronic devices quickly and efficiently.



CLEANING INSTRUCTIONS

- Turn off and disconnect the solar panel from all power sources before cleaning.
- Allow the panel surface to cool completely before starting to clean.
- Use clean water and a soft cloth, sponge, or non-abrasive brush to remove dirt and dust.
- For stubborn grime, use mild soapy water only.
- Do not use abrasive pads, harsh chemicals, solvents, or high-pressure washers.
- Rinse thoroughly with clean water to remove any soap residue.
- Dry the panel with a soft cloth or allow it to air dry.
- Inspect the panel, connectors, and cables after cleaning to ensure there is no damage or loose connections.

TROUBLESHOOTING

<p>No power detected from the solar panel</p>	<ul style="list-style-type: none">• Check for loose, corroded, or improperly attached connectors. This can prevent proper current flow. Check that connectors are fully seated and cables are intact.
<p>Low solar output</p>	<ul style="list-style-type: none">• This is often caused by shading, dirt, or debris on the panel surface. Please make sure that the panel is well-exposed to sunlight and there is no obstruction between the sunlight and the panel.
<p>I'm not getting the maximum charging output (45W for KASB120, 100W from KASB200) from the USB-C port.</p>	<ul style="list-style-type: none">• Confirm the charging cable is rated for high output (45W or 100W), as using a lower-rated cable can reduce charging performance.• Check the specifications of the device being charged. Devices will only accept charge current up to its maximum input capability.

WARRANTY & SUPPORT INFORMATION

KICKASS LIMITED WARRANTY

Your KickAss product is backed by our limited warranty against defects in materials and workmanship for the applicable warranty period. Warranty periods vary by product - please check the product page or the KickAss Warranty Index for details.

If a fault covered by warranty occurs, KickAss will, at its discretion:

- Repair the product, or
- Replace the product with the same or equivalent model, or
- Provide another suitable remedy in line with Australian Consumer Law (ACL).

Warranty claims may be declined if the issue is caused by:

- Normal wear and tear.
- Improper use, faulty installation, or lack of maintenance.
- Modifications, tampering, or unauthorised repairs.
- Accidents, damage in transit (customer organised), or environmental causes.
- Consumable items, unless defective in materials or workmanship.
- Damage caused by external events such as severe weather (including storms, lightning, hail, or flooding), fire, impact, explosions, vandalism, or theft.

MAKING A WARRANTY CLAIM

1. Visit our Support Portal: supportportal.kickassproducts.com.au
2. Locate your product via the Products & Troubleshooting section.
3. Submit a claim through the product form and follow the guidance from our Customer Service Team.

All warranty claims must include a completed product form, proof of purchase, and clear evidence of the defect or fault. Incomplete submissions or missing information may cause delays in processing and could result in your claim being declined.

Costs from third-party inspections or repairs are not covered unless approved in writing by KickAss.

YOUR RIGHTS UNDER ACL

This warranty is provided in addition to your rights under the Australian Consumer Law. You may be entitled to a replacement or refund for major failures, and to compensation for other reasonably foreseeable loss or damage.

Need Help?

Product Support: support@kickassproducts.com.au

Warranty Claims: warranty@kickassproducts.com.au

Customer Support Portal: supportportal.kickassproducts.com.au

KICKASS

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KickAss Products Pty Ltd
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