KICK⚡ASS®

SUPER THIN
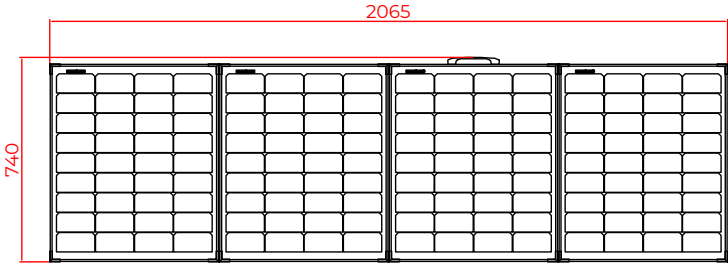# SOLAR PANEL

KASTSP300

KASTSP200

V2.5

THANK YOU!

Thank you for purchasing a **KickAss Super Thin Solar Panel**. This range is the apex in portable, convenient and lightweight solar power to suit any camping lifestyle.
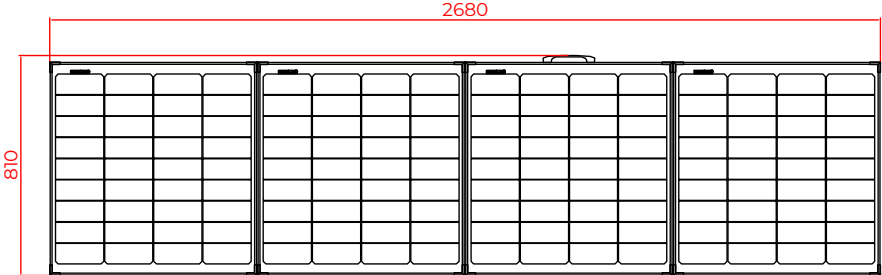
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SUPER THIN SOLAR PANEL DIMENSIONS

2065

740

KASTSP200

2680

810

KASTSP300

SUPER THIN SOLAR PANEL 200W

SPECIFICATIONS

MODEL NO.	KASTSP200
RATED MAXIMUM POWER	200W
VOLTAGE AT PMAX (VMP)	18.3V
CURRENT AT PMAX (IMP)	10.98A
OPEN-CIRCUIT VOLTAGE (VOC)	21.6V
SHORT-CIRCUIT CURRENT (ISC)	13.1A

PACKING DETAILS

DIMENSIONS (mm)	740 x 2065 x 20
FOLDED DIMENSION (mm)	740 x 515 x 85
NET WEIGHT (kg)	12.5

SUPER THIN SOLAR PANEL 300W

SPECIFICATIONS

MODEL NO.	KASTSP300
RATED MAXIMUM POWER	300W
VOLTAGE AT PMAX (VMP)	19.3V
CURRENT AT PMAX (IMP)	15.55A
OPEN-CIRCUIT VOLTAGE (VOC)	23.04V
SHORT-CIRCUIT CURRENT (ISC)	16.7A

PACKING DETAILS

DIMENSIONS (mm)	810 x 2680 x 20
FOLDED DIMENSION (mm)	810 x 670 x 85
NET WEIGHT (kg)	16.8

FOLDING SUPER THIN SOLAR PANEL
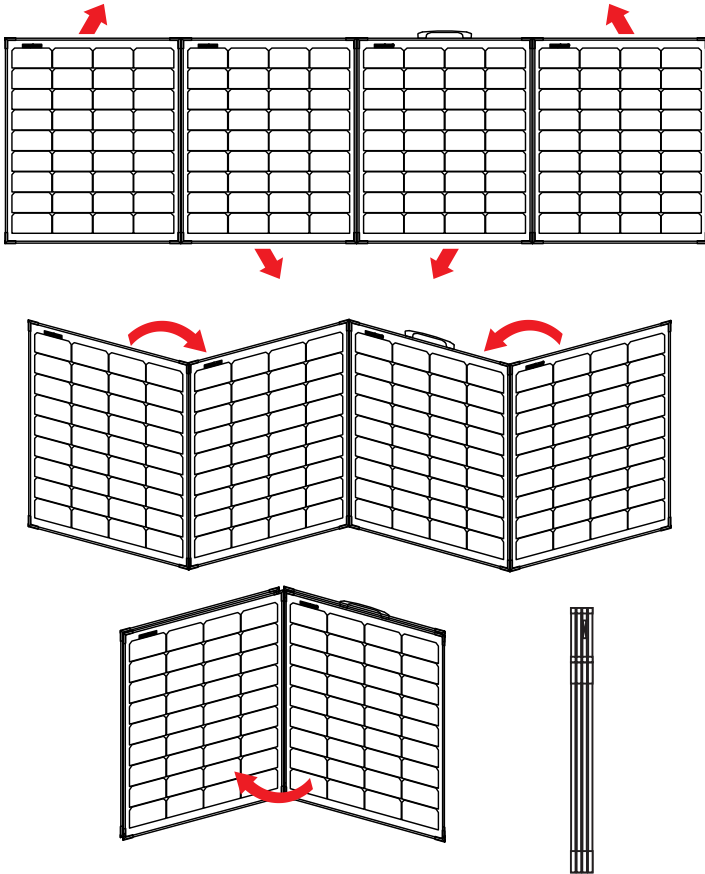
SUPER THIN SOLAR PANEL ACCESSORIES

1 x 5M Anderson to Anderson
Extension Cable (2.5mm² 14B&S)

Anderson to
Alligator Clips

SOLAR REGULATOR

NOTE: Please read all the way through instructions below at least once before continuing & make sure the solar panel is connected to your battery and lights are illuminated on the Controller.

NOTE: The regulator must be powered on first from the battery. Make sure to connect the regulator with battery first, then connect to the solar panel.

The solar panel controller on the back of the panel can be set to charge 9 different battery types AGM, Gel, Flooded, 3/4/6/7 ternary Li-ion (3.7V) cells in series, 4/8 LiFePo4 lithium cells in series.

Supported Battery Modes

1. AGM Battery
2. Gel Battery
3. Flooded Battery
4. 11.1V Li-ion cells in series
5. 14.8V Li-ion cells in series
6. 25.9V Li-ion cells in series
7. 12.8V LiFePO4 cells in series
8. 25.6V LiFePO4 cells in series
9. 22.2V Li-ion cells in series

The controller is preset from factory for charging AGM (Type 1), so if you are using an AGM battery you do not need to do anything. To check or change what setting your regulator is on, please follow the instructions on the next page:

Step 1. Locate the controller which is affixed to the back of the solar panel.

Step 2. Locate the small black 'Mode button' on the right hand side of the digital number display.

Step 3. Press and hold down the button for 3 seconds or until the digital display beside the button begins to flash. While the display is flashing, press the mode button to select 5. Wait until display stops flashing. **NOTE: Select 5. , not 5 .**

Step 4. When 5. is selected, press the button for 3 seconds until the display starts flashing. Release the button, then press and hold it until 2 LEDs and the display start flashing. Continue pressing the button until you select the desired battery mode configuration.

1. AGM Battery	**6.** 25.9V Li-ion cells in series
2. Gel Battery	**7.** 12.8V LiFePO4 cells in series
3. Flooded Battery	**8.** 25.6V LiFePO4 cells in series
4. 11.1V Li-ion cells in series	**9.** 22.2V Li-ion cells in series
5. 14.8V Li-ion cells in series	

Step 5. After suitable battery type is selected, press and hold the button until the LEDs are not flashing.

If your solar panel is connected to your battery and is charging normally, indicators should show:
Battery Indicator - Solid On
Solar Indicator - Slow Flashing

BATTERY INDICATOR

SOLAR INDICATOR

DIGITAL DISPLAY (L.E.D)

MODE BUTTON
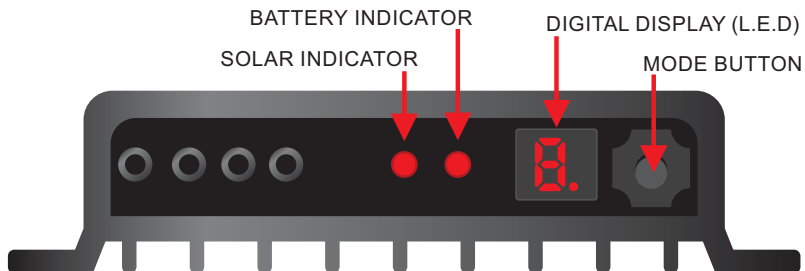
SOLAR CONTROLLER END VIEW

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