

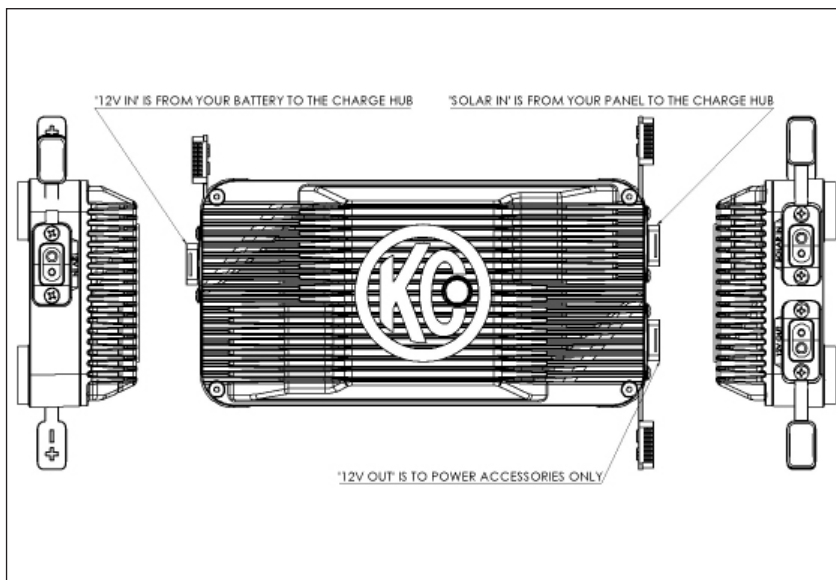


**ADVENTURE  
FURTHER®**

**KC SOLAR CHARGE HUB  
INSTRUCTION MANUAL  
#5002**

## SOLAR CHARGE HUB SETUP

**IMPORTANT:** Please read all instructions before beginning installation. These guidelines are provided in good faith to help prevent any issues arising from errors during installation. The manufacturer of this product shall not be held responsible for any user actions taken or not taken during installation. There are many details of the installation that are assumed to be general mechanical knowledge to experienced installers; which are not detailed in these instructions. These installation guidelines are intended to serve as professional recommendations and are not as a step-by-step, fail-safe installation checklist. Selection of an experienced installer is the sole responsibility of the project owner.



**TOOLS NEEDED: 4MM HEX DRIVE BIT, 5MM HEX DRIVE BIT**

**DISCLAIMER: PLEASE REFER TO THE VICTRON MANUAL FOR ANY TECHNICAL DETAILS PERTAINING TO THE CONTROLLER.**

**REFER TO YOUR BATTERY TO DETERMINE CHARGE PROFILE SETTINGS**

[Get it on Google Play](#)  
[Download on the App Store](#)  
[Available on the Mac App Store](#)  
[Download from Victronenergy.com](#)



**THE SEQUENCE OF OPERATIONS ARE AS FOLLOWS:**

**[1] CONNECT '12V IN' (FROM BATTERY TO CHARGE HUB)**

**[2] DOWNLOAD 'VICTRON CONNECT' APP AND PROGRAM CONTROLLER TO DESIRED SETTINGS**

**\*THE DEFAULT PASSCODE IS SIX ZERO'S - 000000**

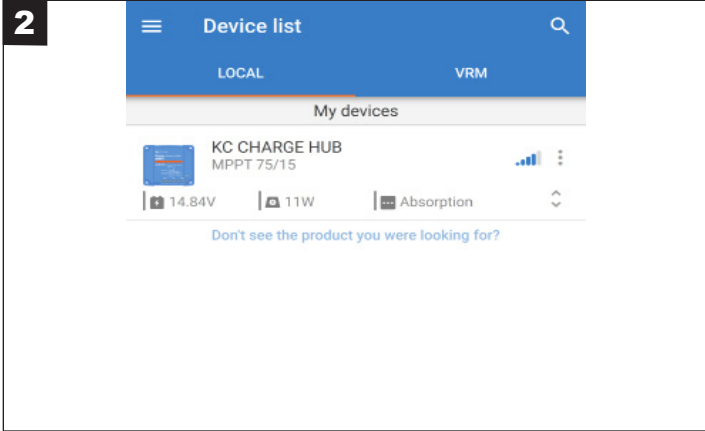
**[3] CONNECT 'SOLAR IN' (FROM SOLAR PANEL TO CHARGE HUB)**

**[4] CONNECT ACCESSORIES TO '12V OUT' (LOAD OUTPUT)**

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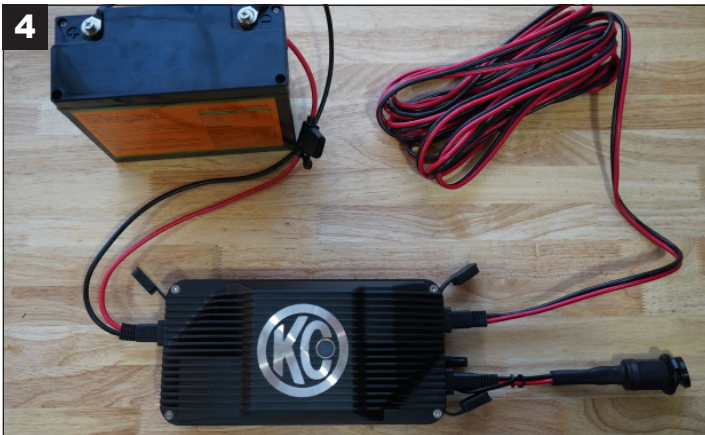
**CONNECT YOUR 12V BATTERY SOURCE TO THE '12V IN' SAE PORT ON THE CHARGE HUB. THIS WILL POWER ON THE UNIT AND ALLOW YOU TO CONNECT TO IT VIA THE VICTRON CONNECT APP.**

# SOLAR CHARGE HUB SETUP



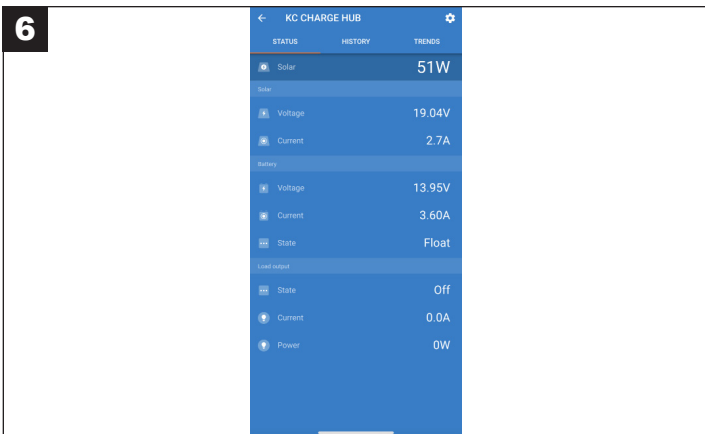
AFTER CONNECTING THE '12V IN' FROM YOUR BATTERY SOURCE, GO TO THE 'VICTRON CONNECT' APP AND CONNECT TO THE 'KC CHARGE HUB'. REFER TO YOUR BATTERY SETTINGS SPECIFIC FOR YOUR SETUP AND CONFIGURE THE SOLAR CONTROLLER WITH THE CORRECT CHARGE PROFILE. 'FACTORY DEFAULT' IS A SUITABLE GENERAL STARTING POINT.

WITH YOUR BATTERY SETTINGS CONFIGURED, THE SOLAR PANEL IS READY TO BE CONNECTED TO YOUR 'SOLAR IN' SAE PORT. USE THE PROVIDED SAE CABLES AND MC4 CONNECTOR CABLES TO CONNECT YOUR SOLAR PANEL. THE CHARGER IS DESIGNED FOR UP TO 220W, 75V OR 15A OF SOLAR INPUT FOR A 12V BATTERY SYSTEM. THE MAX CHARGE CURRENT IS 15A.



IF YOU ARE USING THE '12V OUT' ACCESSORY SAE PORT TO POWER ACCESSORIES, YOU WILL NEED TO PROGRAM THIS FEATURE THROUGH THE VICTRON CONNECT APP. NOTE: THE '12V' OUT IS DESIGNED TO RUN 12V ACCESSORIES/LOAD AND IS NOT INTENDED TO CHARGE A BATTERY. THE '12V OUT' IS FUSED AT 15A, WITH A MAXIMUM LOAD OF 10A.

THE CHARGE HUB COMES WITH FOUR MAGNETIC FEET WHICH ARE THREADED IN (M6). THIS FEATURE MAKES THE CHARGE HUB A PORTABLE SETUP WHICH CAN BE EASILY INTEGRATED INTO VARIOUS SYSTEMS.



THE APP IS A USEFUL TOOL TO KEEP A CONSTANT EYE ON WHAT YOUR SYSTEM IS DOING. VICTRON WILL OFTEN HAVE FIRMWARE UPDATES, SO BE SURE TO CHECK IN EVERY SO OFTEN ON YOUR SYSTEM HEALTH.

ENJOY YOUR NEW KC SOLAR CHARGE HUB (POWERED BY VICTRON) AND DON'T FORGET TO ADVENTURE FURTHER!

# CRADLE MOUNT SETUP (OPTIONAL)

**1** **DISCLAIMER: WHEN USING THE MAGNET MOUNTS, BE MINDFUL OF ANY PINCH POINTS DURING THE REMOVAL OR PLACING OF THE CHARGE HUB IN THE CRADLE.**



**WARNING**



**PINCH POINT**

THE CRADLE MOUNT IS DESIGNED AS A UNIVERSAL MOUNTING SOLUTION TO PROVIDE A MOUNTING SURFACE FOR YOUR KC CHARGE HUB. THE KC CHARGE HUB CAN EITHER BE FIXED TO THE BRACKET WITH THE COUNTERSUNK SCREWS, OR BY USING THE MAGNETIC FEET. THERE ARE VARIOUS M8 SLOTS TO ACCOMMODATE MOUNTING NEEDS.



THE INCLUDED M8 HARDWARE TABS ARE INTENDED TO FIT EASILY BEHIND MOLLE PANELS TO PROVIDE A SEAMLESS INTEGRATION.

**2**



IN THIS CONFIGURATION, YOU CAN SEE THE MAGNETIC FEET (HIGHLIGHTED YELLOW) MATING WITH THE TOP SIDE OF THE CRADLE MOUNT. THE SIDE TABS ON THE BRACKET ACT AS A POSITIVE ENGAGEMENT LOCATING FEATURE.

**2.1**



THIS IS AN EXAMPLE OF THE CRADLE MOUNT ON AN ALUMINIUM EXTRUSION RAIL ON A ROOF RACK. THE MAGNETIC FEET ARE GRABBING ONTO THE STEEL CRADLE MOUNT. EACH MAGNET IS RATED AT (139 LBS) OF PULL FORCE, SO USE THIS FEATURE AS YOU SEE FIT FOR YOUR NEEDS.

**3**



IN THIS CONFIGURATION, YOU CAN SEE THE PROVIDED M6 COUNTERSUNK SCREWS THREADING DIRECTLY INTO THE POSITION OF WHERE THE MAGNETIC FEET WERE. THIS ENSURES YOU HAVE A NICE FLAT MOUNTING SURFACE ONCE THE COUNTERSUNK SCREWS HAVE BEEN TIGHTENED DOWN.

**3.1**



THIS IS AN EXAMPLE OF THE CHARGE HUB BEING MOUNTED WITH M6 COUNTERSUNK SCREWS.

# SOLAR PANEL SETUP (OPTIONAL)



THE KC SOLAR PANEL (BY SUNFLARE) IS A SLEEK AND PORTABLE 150 WATT SOLAR PANEL DESIGNED TO SEAMLESSLY INTEGRATE WITH YOUR KC CHARGE HUB. YOU WILL NEED THE MC4 CONNECTORS AND SAE CABLE THAT CAME WITH YOUR KC CHARGE HUB.



UNZIP THE POUCH ON THE REAR OF THE PANEL AND LOCATE THE TWO MC4 CONNECTORS.



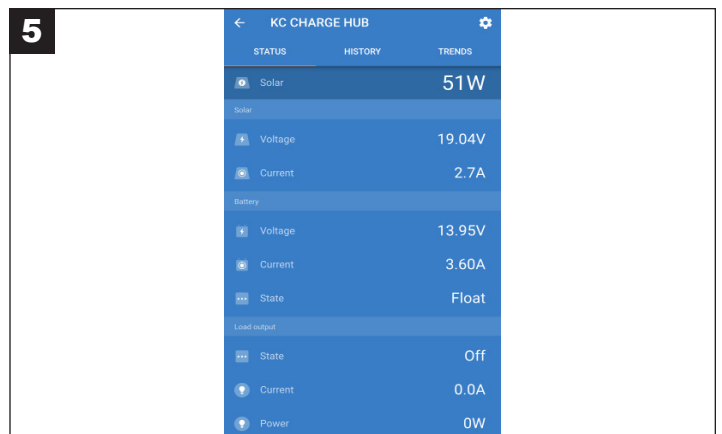
GO AHEAD AND CONNECT THE CORRESPONDING MC4 CONNECTORS FROM THE CHARGE HUB TO THE SOLAR PANEL. THERE IS 1 POSITIVE (+), AND ONE NEGATIVE (-). BE MINDFUL OF POLARITY.



ONCE CONNECTED, POSITION THE PANEL TO BE IN AS MUCH DIRECT SUNLIGHT AS POSSIBLE TO MAXIMIZE EFFICIENCY.



THE REAR OF THE PANEL HAS TWO ADJUSTABLE KICKSTANDS THAT ALLOW YOU TO TILT AND POSITION THE PANEL INTO DIRECT SUNLIGHT.



IN THE 'VICTRON CONNECT' APP, CONNECT TO THE CHARGE HUB TO KEEP AN EYE ON HOW YOUR SYSTEM IS DOING. HAPPY ADVENTURING!