



QUICK START GUIDE

V1.2

ELECTRICAL CONNECTIONS QUICK START GUIDE

1. WHAT'S INCLUDED (KAPB2K1280 & KAPBPCONN)



AC INPUT
(KAPB2K1280)



AC OUTPUT
(KAPB2K1280)



DC LOAD
(KAPBPCONN)



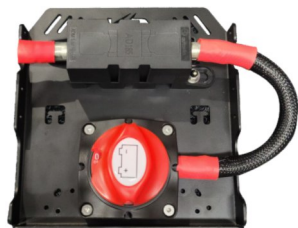
SOLAR CABLE
(KAPBPCONN)



BMS CABLE
(KAPB2K1280)



TEMPERATURE SENSOR
(KAPB2K1280)



ISOLATOR AND FUSE KIT
(KAPBPCONN)



POSITIVE (1 x 1m, 1 x 0.5m)
(KAPBPCONN)



NEGATIVE (1 X 1.5m)



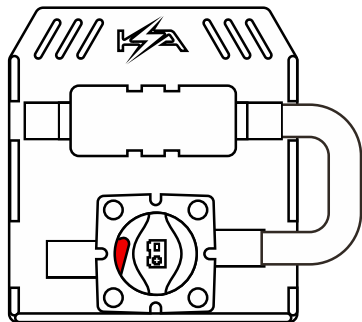
MULTI BIT SCREW DRIVER
(KAPBPCONN)



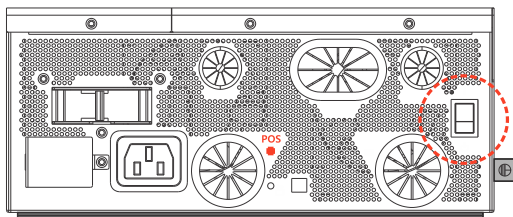
13mm SOCKET DRIVER
(KAPBPCONN)

2. WIRING THE ISOLATOR AND FUSE KIT

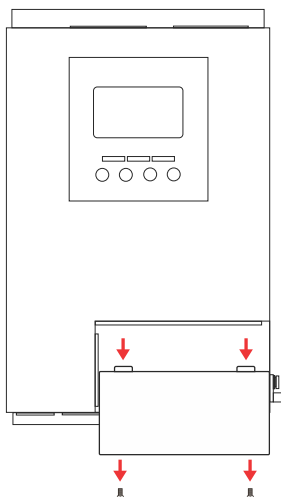
2.1) MAKE SURE THE ISOLATOR IS OFF.



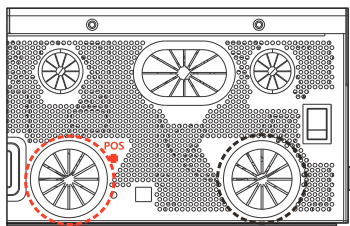
2.2) TURN OFF HARDWARE SWITCH ON THE UNIT.



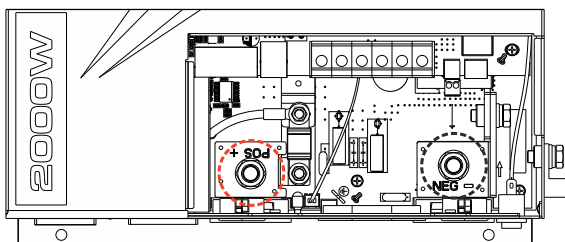
2.3) REMOVE THE CASE COVER USING THE PHILLIPS HEAD SCREWDRIVER.



2.4) LOCATE THE BATTERY NEGATIVE AND POSITIVE TERMINALS

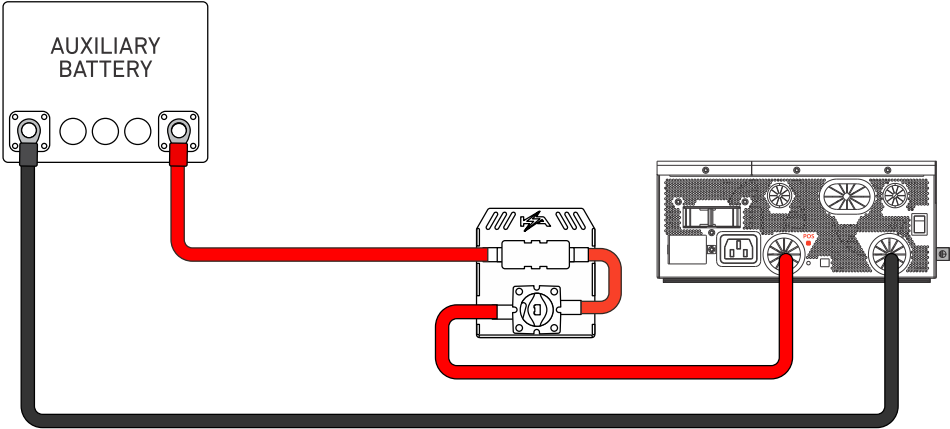


BOTTOM

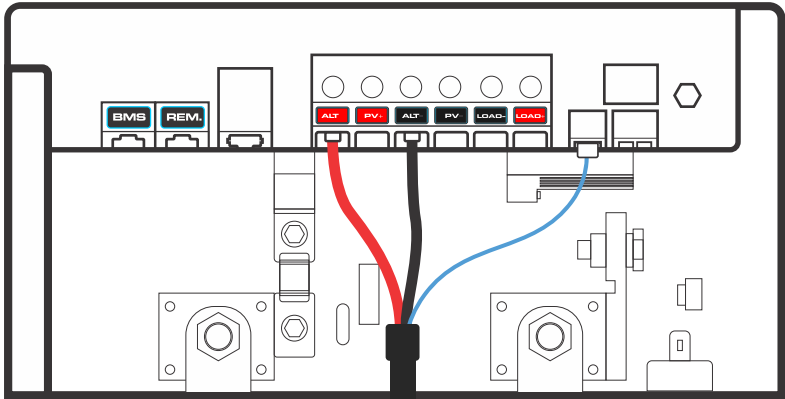


FRONT

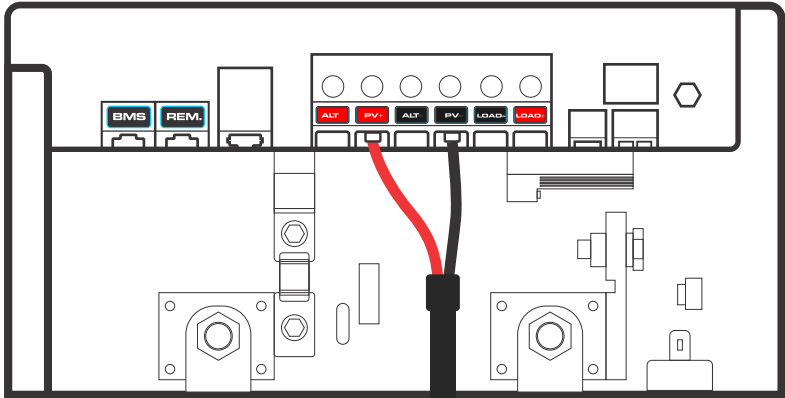
2.5) ISOLATOR SETUP WITH THE POWERBOSS.



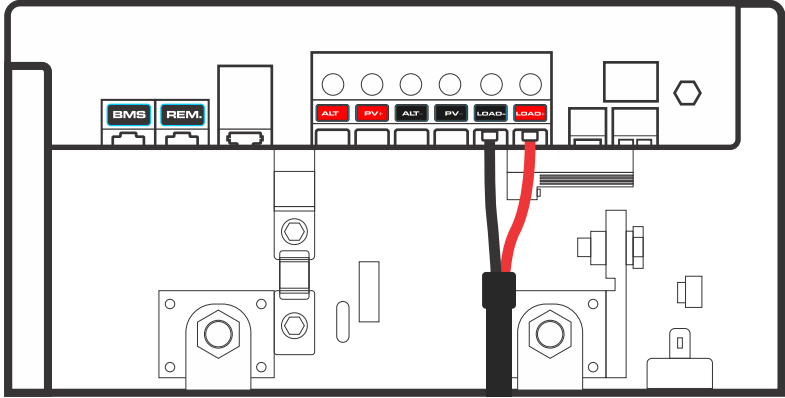
3.1 ALTERNATOR WIRING



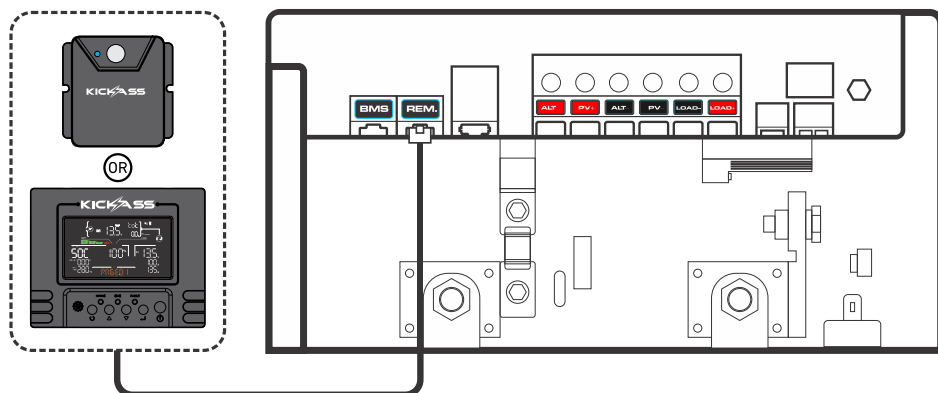
3.2 SOLAR WIRING



3.3 DC LOAD WIRING

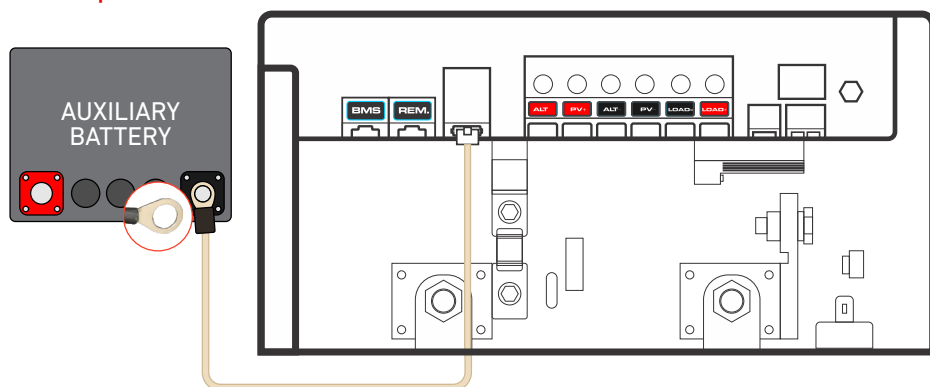


3.4 REMOTE DISPLAY LCD / REMOTE BLUETOOTH MODULE

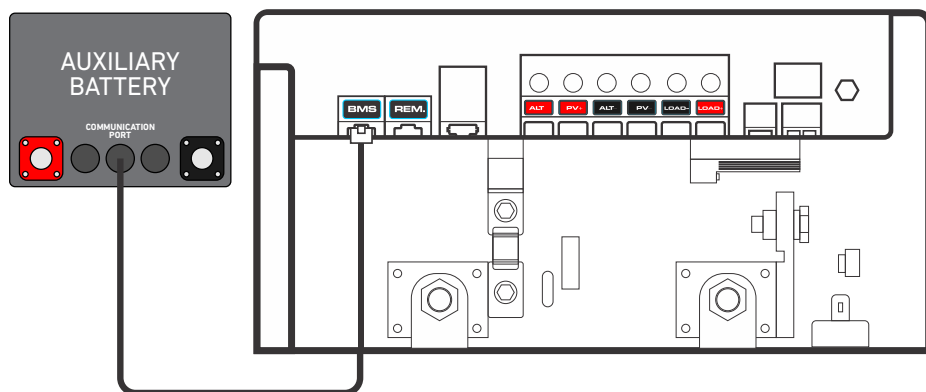


3.5 TEMPERATURE SENSOR

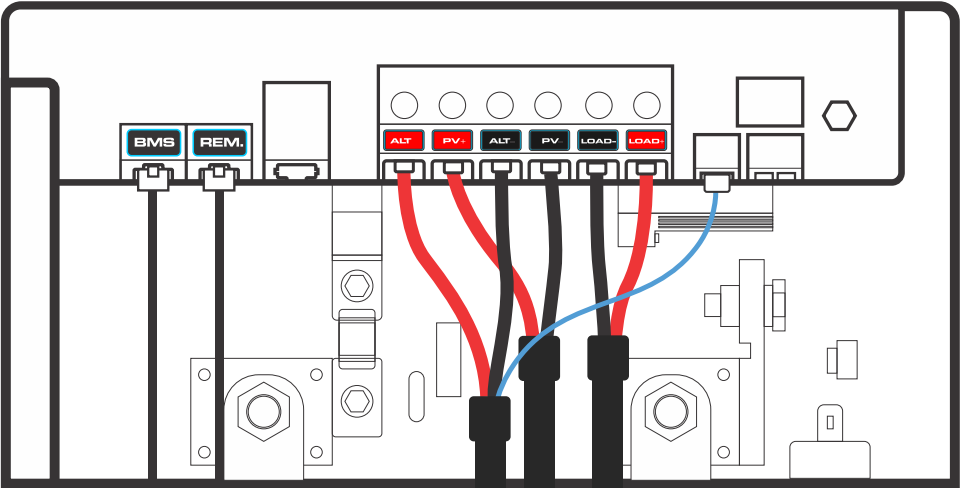
Not required for LiFeP04



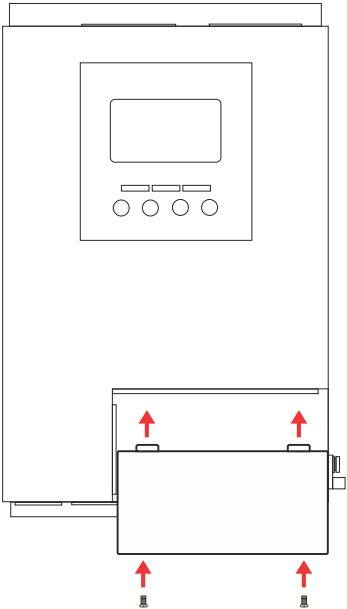
3.6 BMS



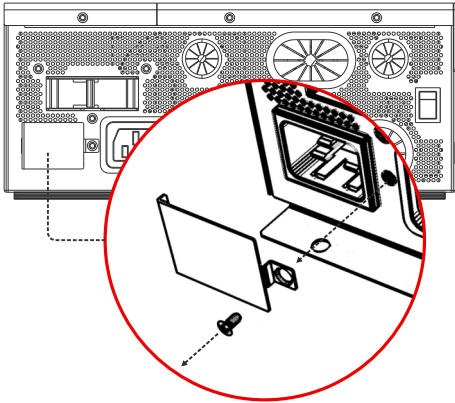
4. WIRING OVERVIEW



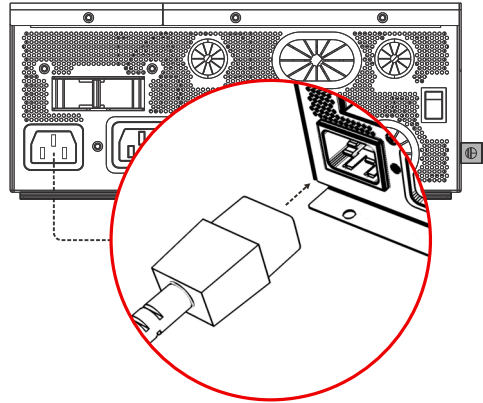
4.1) PLACE THE CASE COVER BACK.



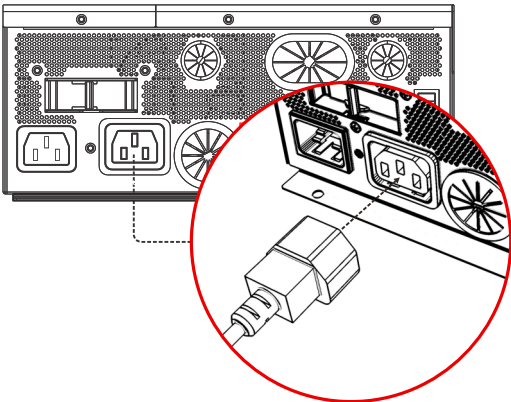
4.2) REMOVE AC INPUT SOCKET COVER.



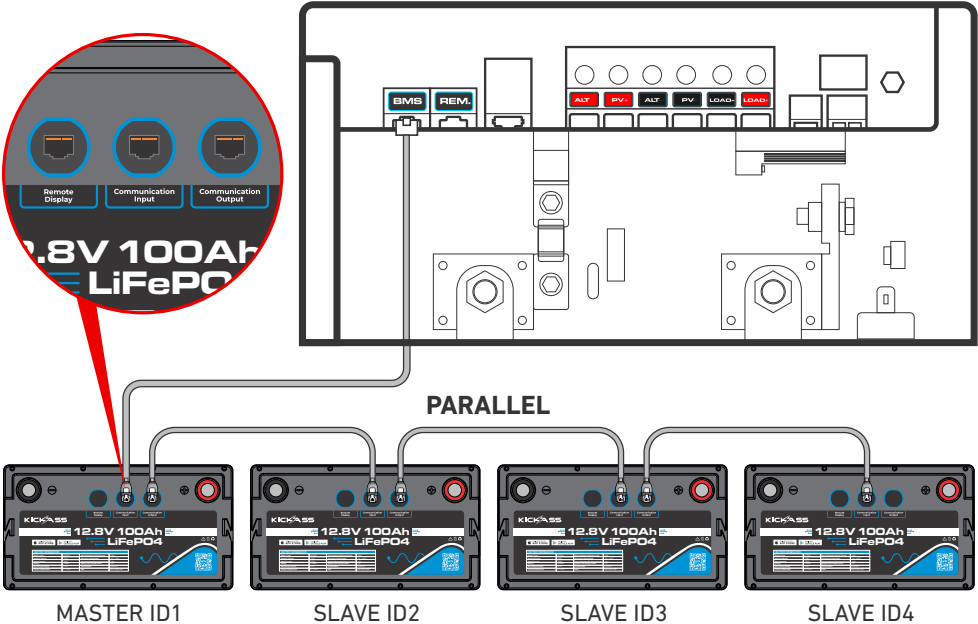
4.3) PLUG IN AC INPUT.



4.4) PLUG IN AC OUTPUT.

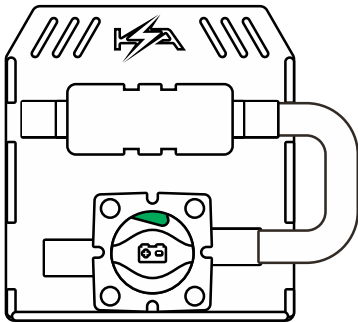


5. CONFIGURING KICKASS LITHIUM BATTERIES



6. POWERING ON THE SYSTEM

To power on the system, ensure the isolator is in the closed position.



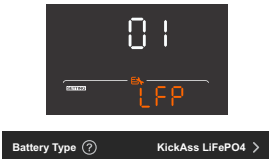
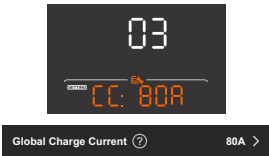
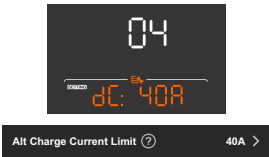


After the isolator has been closed, turn the system on either by the local hardware switch, or the remote switch located on the remote display or remote Bluetooth module.



7. INITIAL CONFIGURATION VIA BLUETOOTH APP OR LCD DISPLAY

The following settings are installation specific and must be configured correctly according to the type of installation.

These settings should be configured the first time the unit is powered on.

Setting	LCD Menu Number / App Icon	Description
Battery Type		Set the battery chemistry type.
Global Charge Current Limit		Set the global charge current limit for the system. This setting relates to the charge current when charging from AC or combined AC and solar. If CC is set to a value greater than 40A, then the charge output from alternator and solar will be capped at 40A.
Alternator Current Limit		Set the maximum charge current when charging from the vehicle's alternator. The charge current can be lowered to reduce the load on the alternator.
IGN Setting		It is recommended to set this to ON for all installation types. When enabled, the Powerboss will begin charging when it receives an IGN signal from the vehicle after the engine has started.
Bat Connect Number		This setting is only relevant when the battery type is set to KickAss LiFePO ₄ (LFP). Specify the number of auxiliary batteries in the system so the Powerboss knows how many batteries it should communicate with.