### **Make Connections to BOS**



#### **Operation Instructions**



#### WARNING

Charge the battery immediately at 11.5 VDC

If the LCD home screen does not turn on, the battery is dangerously low. You may be able to recover the battery by charging with 230 VAC power.

Solar charging will not work until the battery voltage exceeds 9.0 VDC.

Shade the BOS to keep cool. Excessive heat reduces efficiency and output.

- Fully charge BOS before using.
- BATT DISC breaker must be ON to charge BOS battery.
- Turn on BATT DISC breaker to activate the BOS.
- It is safe to turn on all four (4) breakers to facilitate the use of the BOS even if all circuits are not in use.
- Electrical power is available from all OUTPUT connectors when the BOS is connected to 230 VAC and all four (4) breakers are ON.
- Solar power alone will NOT activate the LCD interface. The BOS must be connected to a 12 VDC power source.
- Power to the 12 VDC OUTPUT connectors stops when battery voltage drops to 11.5 VDC. Charge the BOS to restore DC output.
- Power to the AC OUTPUT connectors stops when battery voltage drops to 10.4 VDC. Charge BOS to restore AC output.
- Charge BOS fully then turn OFF all breakers before putting BOS in long term storage.
- Check BOS voltage every three (3) months when BOS is in storage. Recharge BOS if voltage is 11.5 or less.
- Using your smartphone, follow the QR code to the instructions in Ukrainian.

## **BOS 500 Electrical Circuits**



# **System Monitoring**

