

ELECTRIQ POWER

*The Smart Home Battery Solution*



# Quick Install Guide

## for the Electriq Power

### Power Shutdown

### Switch

*Model Number:*  
*EPP-600-1011*  
*AC/DC Single, Dual or Triple Stack Kit*

V.011121

## 1. Purpose

The purpose of this document is to provide the requirements and instructions to attach an external emergency power shutdown switch to the PowerPod energy storage system. The switch shuts down the inverter so a) no power is supplied to the essential load when the breaker labeled “from inverter” is in the up (ON) position. b) No energy is taken from the batteries or PV modules.

Material listed in the document is supplied in the kit.

**Note**, the kit contains **three EMERGENCE jumper connections**, so that the same kit can be used for Single, Dual Stack and Triple Stack systems. Just disregard the extra jumpers for single and dual stack kits. It is the installer responsibility to be informed and meet the AHJ requirements for installation.

## 2. Scope

This procedure applies to the PowerPod Energy Storage System.

## 3. Equipment

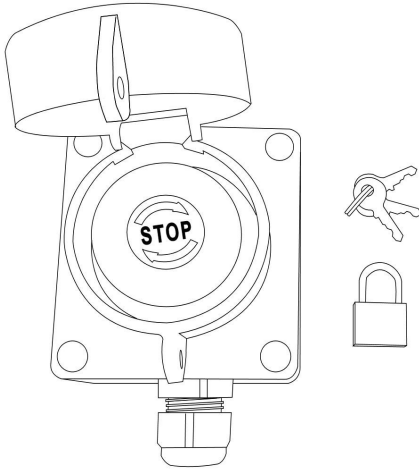
- 3.1. Fluke 117 Multimeter with Non-Contact Voltage LoZ Auto Volts True RMS voltmeter

## 4. References

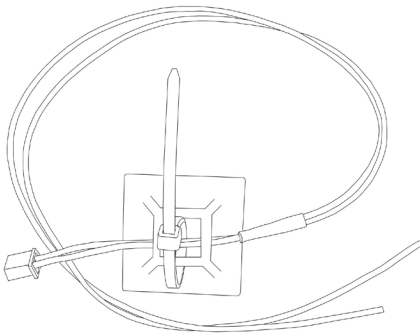
- 4.1. Electriq Power document # EPP (AC-DC Installation Manual, Service & Users Guide for the AC- & DC-Coupled Electriq PowerPod

## 5. Material BOM

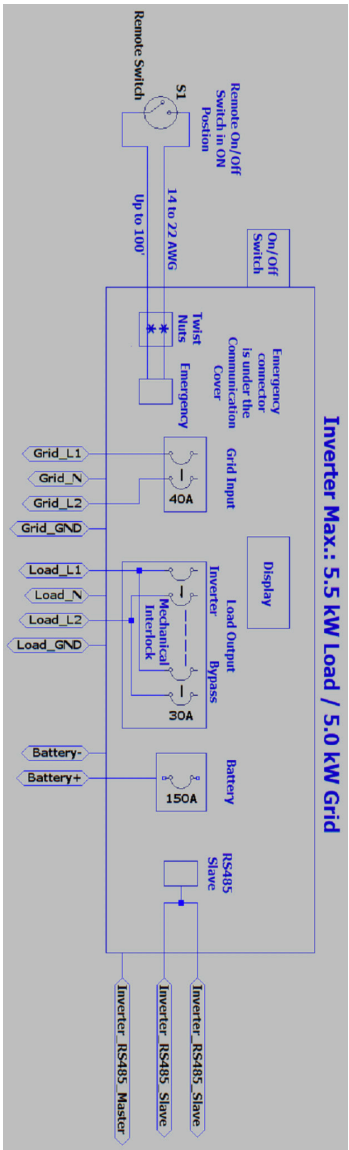
EPP-350-1033



EPP-500-1041



## 6. Schematic (Single)



**Note 1**, the remote switch is “open” to operate (turn on) the inverter.

**Note 2**, Remote shutdown activation takes approximately one second.

**Note 3**, High voltage capacitors must be discharged before the inverter will turn back on once the remote shutdown is activated. To activate:

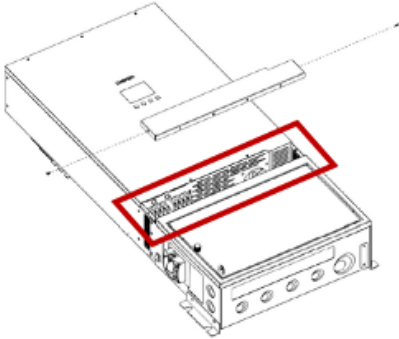
- a) Turn off the PV and Grid Input
- b) Toggle off and on the main switch once a second will rapidly discharge capacitors after approximately five times.
- c) With the main switch off, turn the PV and Grid Input back on.
- d) Turn the main switch on.

**Note 4**, Firmware must be 82.372 or later.

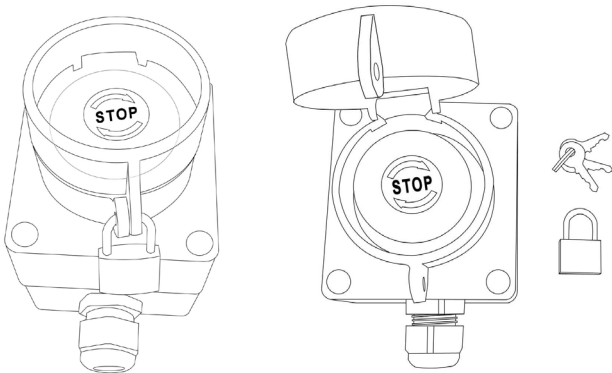
## 7. Installation

### 7.1. Rough wiring the Emergency Stop Switch.

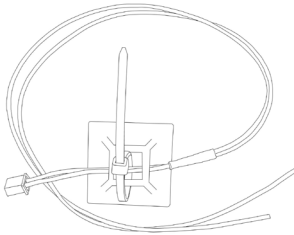
- 7.1.1. Open the inverter communication enclosure cover by removing two Philips screws.



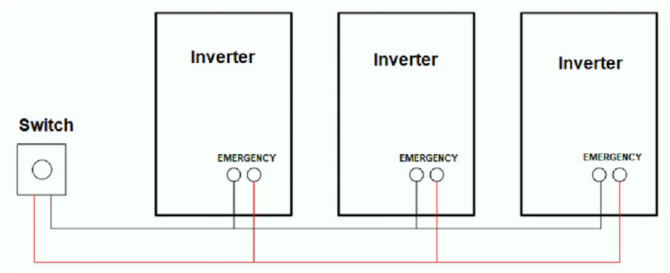
- 7.1.2. Dissassemble the Emergency Stop Switch from it's housing.



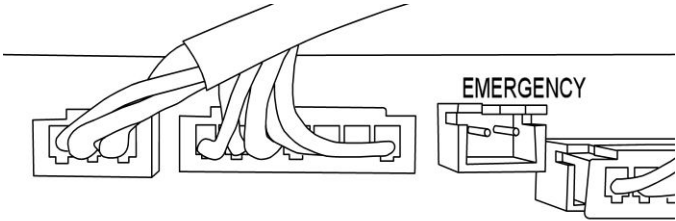
- 7.1.3. Mount the Emergency Stop Switch to it desired location.
- 7.1.4. Route two 14 to 22 AWG wires from the stop switch to the inverters.
- 7.1.5. Connect the two wires to the Emergency Stop Switch N.O. connections.
- 7.1.6. For Single system, wire nut EPP-500-1041 jumper cable to the inverter end of the wire.



For stack systems, wire nut EPP-500-1041 jumper cable from each system in parallel per the drawing below:



- 7.1.7 Connect the two pin connector(s) to the inverter emergency connector located behind the communication panel.



- 7.1.8 Check wiring:

For single system, compare to the schematic in section 6 above.

For stack system, compare to the drawing in section 7.1.6 above.

## 8. Operation

8.1. The remote switch is open to operate (turn on) the inverter.

Note, Remote shutdown activation takes approximately one second.

8.2. The remote switch is close to disable (turn off) the inverter.

Note, High voltage capacitors must be discharged before inverter will turn back on once remote shutdown is activated. To activate:

- a) Turn off the PV and Grid Input
- b) Toggle off and on and off main switch once a second will rapidly discharge capacitors after approximately five times.
- c) With the main switch off turn the PV and Grid Input back on.
- d) Turn the main switch on.

## 9. FINAL ASSEMBLY:

9.1. Reassemble the Stop Switch.

9.2. Using the two screws, put back the communication panel(s).