



The SmartBatteryProtect must be programmed for Li-Ion mode-C and 12 Volt either through programming on the device itself or with a Bluetooth enabled smartphone or tablet. Connect the load disconnect output of the Small BMS to Remote H terminal.

The smallBMS is enlarged visible in this drawing.

There are several configuration options possible. Read the Orion-Tr manual carefully and choose the one fitting your installation.

KEEP POSITIVE BATTERY CABLES ALL AT THE SAME LENGTH!

KEEP NEGATIVE BATTERY CABLES ALL AT THE SAME LENGTH!

**SERVICE BATTERIES**  
2 x Lithium  
12.8V-100Ah  
Smart LiFePO4

Drawing BJE-273D

**Setup and change of settings trough Bluetooth**  
All Bluetooth accessible devices can be setup and monitored with use of the VE.Smart Network by using the freely downloadable Victron Connect App. When in doubt, consult your Victron dealer.

**Recommended DC cable/fuse size Phoenix charger**  
50A charger 0-4 m cable length: 16SQmm  
Cable length stands for the total distance between the battery connections plus and minus and the Phoenix smart charger connections! Fuse size should be 60-80A max.  
Max cable size to connect is 16SQmm.

**Recommended DC cable/fuse size Phoenix Inverter**  
375W Inverter with 0-1,5 m cable length: 6SQmm  
375W Inverter with 1,5-3 m cable length: 10SQmm  
Cable length stands for the total distance between the battery connections plus and minus and the Phoenix inverter connections! External Fuse size should be 40-50A max.

**Recommended AC cable/breaker sizes**  
AC Shore power IN must be protected by a MCB/RCD circuit breaker rated at 16A max or less depending on the size of the connected users. AC Inverter OUT must be protected by MCB/RCD circuit breaker combination rated at the size of the inverter. Cable sizes need to be adjusted accordingly.



**WARNING**  
230 VOLT IS EXTREMELY HAZARDOUS DO NOT TOUCH ANY LIVE WIRED PARTS OF THE INSTALLATION! WHEN IN DOUBT, ALWAYS CONSULT YOUR VICTRON DEALER!



