



**IMPORTANT INFORMATION !**  
The SmartBatteryProtect must be programmed for Li-Ion mode, 2 and 12 Volt either through programming on the device itself or with a Bluetooth enabled smartphone or tablet.

In all Orion-Tr Smart's Ignition remote on/off and engine detection override are active.

MAIN FUSES Orion Inputs as close to starter batteries as possible

NEGATIVE BUSBAR Orion GND connections as close to starter batteries as possible

Drawing BJE-286A

**KEEP POSITIVE BATTERY CABLES ALL AS SHORT AS POSSIBLE AND ALL AT THE SAME LENGTH !**  
**KEEP NEGATIVE BATTERY CABLES ALL AS SHORT AS POSSIBLE AND ALL AT THE SAME LENGTH !**

2 x Lithium 12.8V-300Ah Smart LiFePO4

**IMPORTANT INFORMATION !**  
The primary Case ground connection from a inverter charger like a Multi or a Quattro, must be connected to the Central Negative Busbar of the DC system. Size of this cable must be identical to connected DC negative.

**IMPORTANT INFORMATION !**  
When operating in inverter mode, the Neutral output of a inverter/charger must be connected to ground to guarantee proper functioning of a GFCI or RCD device. In case of a split phase supply the Neutral also must be grounded.

**IMPORTANT INFORMATION !**  
Recommended DC cable/fuse size MultiPlus  
0-5 m cable length: 4 x 60Smm, 5-10 m cable length: 4 x 70Smm. When used in closed conduits, cable size should double. Cable length stands for the distance between the battery and the MultiPlus connections !!! Recommendations are without other losses in the system and these also should be taken into account for proper main battery, main fuse & main switch cables !!! Fuse size should be 400A.

**IMPORTANT INFORMATION !**  
Recommended AC Out-2 cable/breaker size MultiPlus  
AC Out-2 only is available when power is present on AC IN. During battery operation it will be disconnected. AC Out-2 supports up to 16A. An Earth leakage device with breaker or a combination MCB/RCD must be installed on the output. Cable size must be adjusted accordingly.

**IMPORTANT INFORMATION !**  
Recommended AC In cable/breaker size MultiPlus  
AC IN must be protected by a circuit breaker rated at 50A max or less. This depends heavily on the size of the connected power source. The input current must be adjusted to fit the size of the breaker and cable size for AC IN should be adjusted accordingly.

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

- 230V Switched load-1
- 230V Switched load-2
- 230V No Break load-1
- 230V No Break load-2

GENERATOR 4KW 230V/50Hz AC