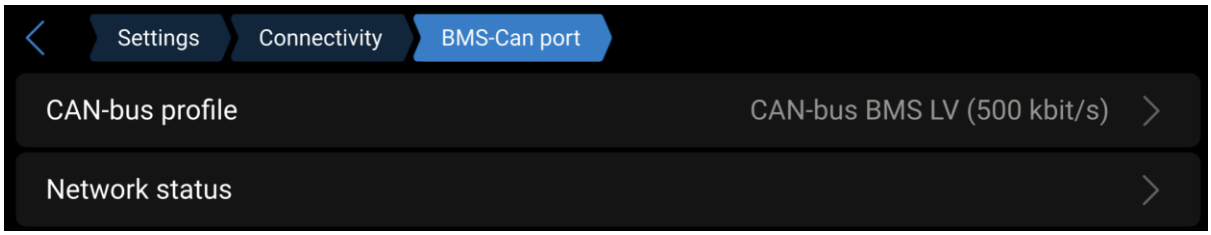
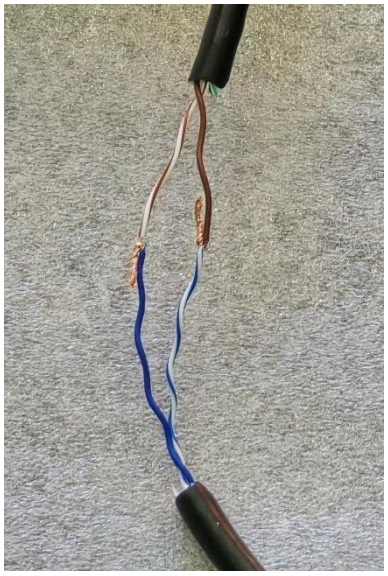
VICTRON PRODUCT SETTINGS

Victron 48V products can be used with the MPS 48V 16kWh battery

If the Victron inverter is capable of CAN bus communications such as incorporating a GX device, the battery can be run in Lithium managed mode. This removes the need for the below settings. Settings should still be changed for good practice because failure of the CAN bus communications can cause the inverter to revert back to unmanaged settings.

A Victron A – B cable is required for communications to occur. If a Victron A – B cable is not available, the below modification to the standard MPS communications cable may be carried out. The cable goes from the battery CAN port to the Victron BMS CAN port. The settings in the Victron device may need to be changed to 500kbs as per below





Care should be taken to adjust settings accordingly when having multiple charging sources.

The displayed SOC may not be accurate with a self managed battery. It is recommended to use a BMV-712 or smart shunt for SOC display and generator starting using 2 wire auto start based on both SOC and low voltage threshold.

	48V 16kWh
Maximum charge current per battery	150A
Recommended charge current per battery	150A
Bulk / Absorption voltage	56.8V
Float voltage	56.7V
Equalize voltage	Disable or change to bulk voltage
Temperature compensation	Disable
Repeated absorption interval	7 days
Repeated absorption time	1 hour
Re-bulk voltage	54.2V
Absorption end current per battery	2A
Charge curve	Fixed
Storage mode	Disabled
Lithium batteries	Enabled
Temperature compensation	Disabled
Low temperature cut off	5°C
DC input low shutdown	48V
DC input low restart	51.2V
DC input pre alarm	49V
Battery capacity times number of batteries	314Ah
Charged voltage	55V
Discharge floor	5%
Tail current	4%
Charged detection time	3 minutes
Peukert exponent	1.00
Charge efficiency factor	98%
Current threshold	0.10A
Time to go averaging period	3 minutes
Battery SOC on reset	Keep SOC