Lynx Shunt VE.Can

DC Busbars with integrated battery monitor and main fuse holder

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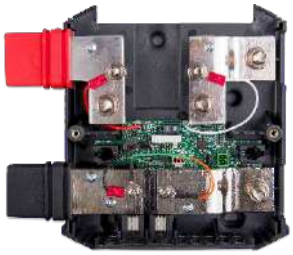


Lynx Shunt VE.Can without cover

RJ45 VE.Can terminator

Busbar integrated battery monitoring

The Lynx Shunt VE.Can contains a positive and negative busbar, a battery monitor and a fuse holder for the main system fuse. It is part of the Lynx Distribution system.
The Lynx Distributor has a power LED.
The Lynx Shunt VE.Can can communicate via VE.Can with an GX device.

The Lynx Shunt VE.Can ships with two RJ45 VE.Can terminators, these are used when connecting to a GX device.

The Lynx Shunt VE.Can is designed to hold a CNN fuse. The fuse needs to be purchased separately. For more info see section Fusing in the Lynx Shunt VE.Can manual.

The Lynx Distribution System

The Lynx Distribution System is a modular busbar system that incorporates DC connections, distribution, fusing, battery monitoring and/or Lithium battery management. For more information also see the DC Distribution Systems product page.

The Lynx Distribution System consist of the following parts:

- **Lynx Power In** - A positive and negative busbar with 4 connections for batteries or DC equipment.
- **Lynx Distributor** - A positive and negative busbar with 4 fused connections for batteries or DC equipment together with fuse monitoring.
- **Lynx Shunt VE.Can** - A positive busbar with a space for a main system fuse and a negative busbar with a shunt for battery monitoring. It has VE.Can communication for monitoring and setup with a GX device.
- **Lynx Smart BMS** - For use together with Victron Energy Smart Lithium batteries. It contains a positive busbar with a contactor that is driven by a battery management system (BMS) and a negative busbar with a shunt for battery monitoring. It has Bluetooth communication for monitoring and setup via the VictronConnect App and VE.Can communication for monitoring with a GX device and the VRM portal.

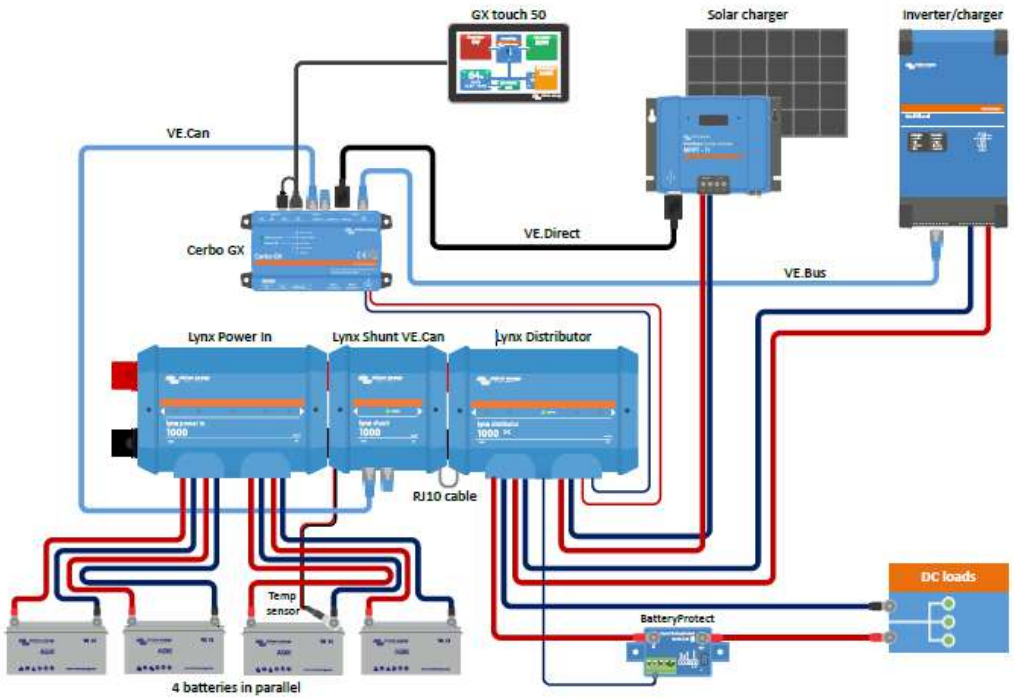
The Lynx modules: Lynx Power In, Lynx Distributor, Lynx Shunt VE.Can and Lynx Smart BMS

Lynx Shunt VE.Can	
POWER	
Supply voltage range	9 - 70 Vdc
Supported system voltages	12, 24 or 48V
Reverse polarity protection	No
Current rating	1000Adc continuous
Power consumption	60mA @ 12V 33mA @ 24V 20mA @ 48V
Potential free alarm contact	3A, 30Vdc, 250Vac
CONNECTIONS	
Busbar	M8
Fuse	M8
VE.Can	RJ45 and RJ45 terminator
Power supply connection to Lynx Distributor	RJ10 (a RJ10 cable ships with each Lynx Distributor)
Temperature sensor	Screw terminal
Relay	Screw terminal
PHYSICAL	
Enclosure material	ABS
Enclosure dimensions (h x w x d)	190 x 180 x 80 mm
Unit weight	1.4 kg
Busbar material	Tinned copper
Busbar dimensions (hxw)	8 x 30 mm
ENVIRONMENTAL	
Operating temperature range	-40°C to +60°
Storage temperature range	-40°C to +60°
Humidity	Max. 95% (non-condensing)
Protection class	IP22

System example – Lynx Shunt VE.Can, Lynx Power In, Lynx Distributor and lead acid batteries

This system contains the following components:

- Lynx Power In with 4 paralleled 12V lead acid batteries.
- Identical cable lengths for each battery.
- Lynx Shunt VE.Can with main system fuse and battery monitor.
- Lynx Distributor with fused connections for inverter/charger(s), loads and chargers. Note that additional modules can be added if more connections are needed.
- Cerbo GX (or other GX device) to read out the battery monitor data.



System with Lynx Shunt VE.Can, lead acid batteries, a Lynx Shunt VE.Can and a Lynx Distributor