

EXOTRONIC

Electronics for the Great Outdoors

Pre-Wired Victron Smart LiFePO4 Boards

Victron Smart LiFePO4

Designed exclusively for Victron Smart LiFePO4 Lithium Batteries

Mains Charger

Capable of mains charging at up to 120A.

Solar Charging

Capable of charging up to 50A.
Recommended solar capacity
600 – 800W.

DC-DC Charging

30A charge rate and compatible with smart alternators and configurable via Bluetooth.

Combined Charging

The combined charge rate is 200A. The charge rate can be limited through the Cerbo GX.

240V Inverter

3000VA / 16A transfer switch with 5500W surge capacity



Warning

To maximise the longevity and safety of your new Victron Pre-Wired Board, please ensure you follow stay within the specified parameters and connect to the appropriate terminals referring to the wiring diagram. Failure to do so could result in shortened lifespan and void your warranty.

This equipment contains 240V equipment – **serious injury and/or death** can occur when working with these voltages. Only competent/licenced persons must connect to the 240V supply.

Risk of fire/explosion – do not short circuit the equipment or exceed voltages. Always check polarity before powering equipment on. Do not expose to the weather or allow water ingress. Keep out of excess dust and do not exceed temperature ratings. Always select appropriate fuse sizes and ensure suitably tight connections.

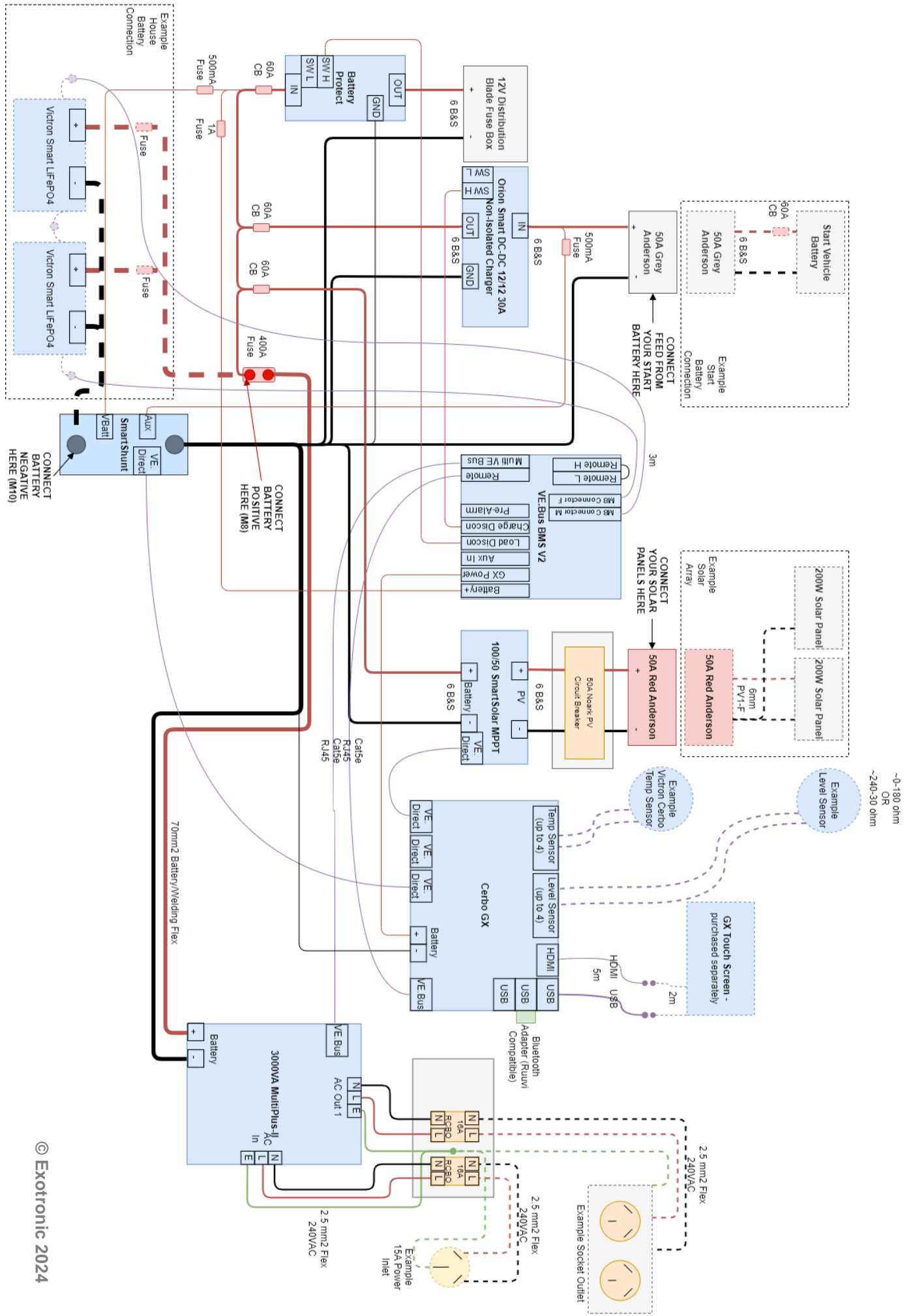
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Specifications

Board Input Voltage	11.2 – 17V
Acceptable Battery Type	Victron Smart LiFePO4 Range Only
Minimum Battery Capacity and Current	250Ah 250A Continuous Current
Inverter Constant Output Power @ 25C	3000VA / 2400W
Inverter Constant Output Power @ 40C	2200W
Inverter Peak Power	5500W
Inverter Maximum Efficiency	93%
Board Zero Load Power (Inverter On)	20W
Board AC Input Voltage Range	187 – 265VAC 45- 65Hz
Maximum Charge Current - Mains	120A
Maximum Charge Current - Solar	50A
Maximum Charge Current - DC-DC	30A
Maximum Total Charge Current	200A
DC-DC Maximum Efficiency	87%
Output Absorption Voltage	14.2V - Adjustable
Output Float Voltage	13.5V - Adjustable
Battery Protect Trip Voltage	11.5V for 30s - Adjustable
Solar Maximum Voltage	100V
Solar Array Size	0 – 1200W (600-800W recommended)
Solar Maximum Short Circuit Current	60A
Solar Maximum Efficiency	98%
Board Temperature Rating	5C – 45C (0C – 65C storage)
Board A2 Dimensions	900 x 530 x 170mm (720 x 580 x 170mm on request)
Board B2 Dimensions	1250 x 350 x 170mm
Board Weight	35kg

More details available on individual component data sheets if needed.



~0-180 ohm
OR
~240-30 ohm