MPPT 75/50

12/24Vdc battery systems
VE.Direct communication port
Charge LED indication
Ultra fast MPPT Tracker
98% maximum efficiency
Eight preprogrammed algorithms,
selectable with a rotary switch

No Load output

BPC IP22

Push button for battery selection
- Normal
- High
- Recondition
- Li-ion

2nd generation design
- Higher efficiency
- IP22

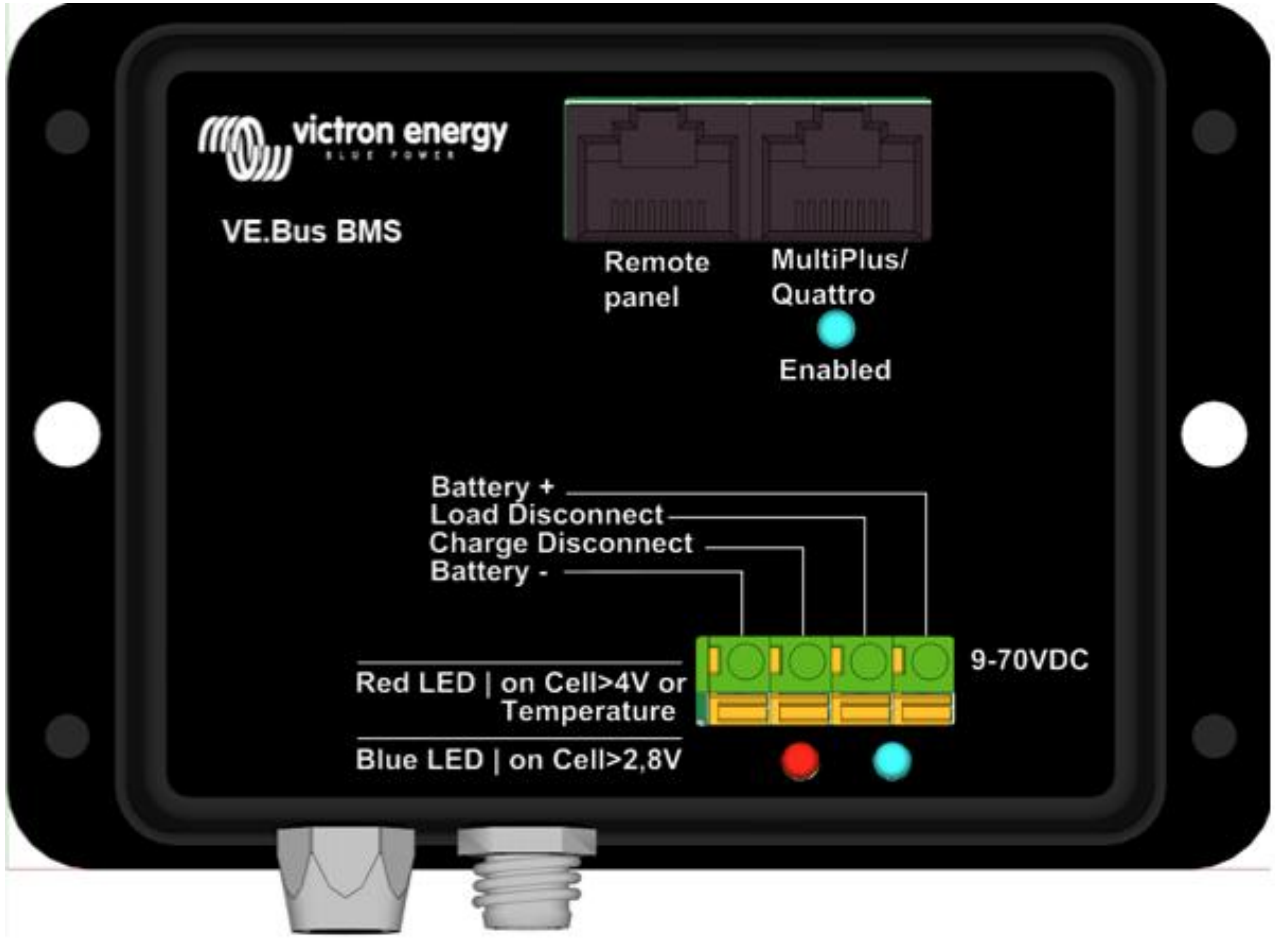
BPC IP65

New IP65 charger

12/7
12/10
12/15

24/5
24/8

VE.Bus BMS


victron energy
BLUE POWER
VE.Bus BMS
Remote panel
MultiPlus/ Quattro
Enabled
Battery +
Load Disconnect
Charge Disconnect
Battery -
9-70VDC
Red LED | on Cell>4V or Temperature
Blue LED | on Cell>2,8V

VE.Bus BMS

Protects and controls a system of Victron LFP battery's
It's the smallest BMS available, with no power restrictions

The BMS will:

Shut down or disconnect loads in case of imminent cell under voltage,
Reduce charge current in case of imminent cell over/under voltage or temperature (VE.Bus products only)

Protects 12 V, 24 V and 48 V systems

Operating voltage range of the BMS: 9 to 70 V DC.

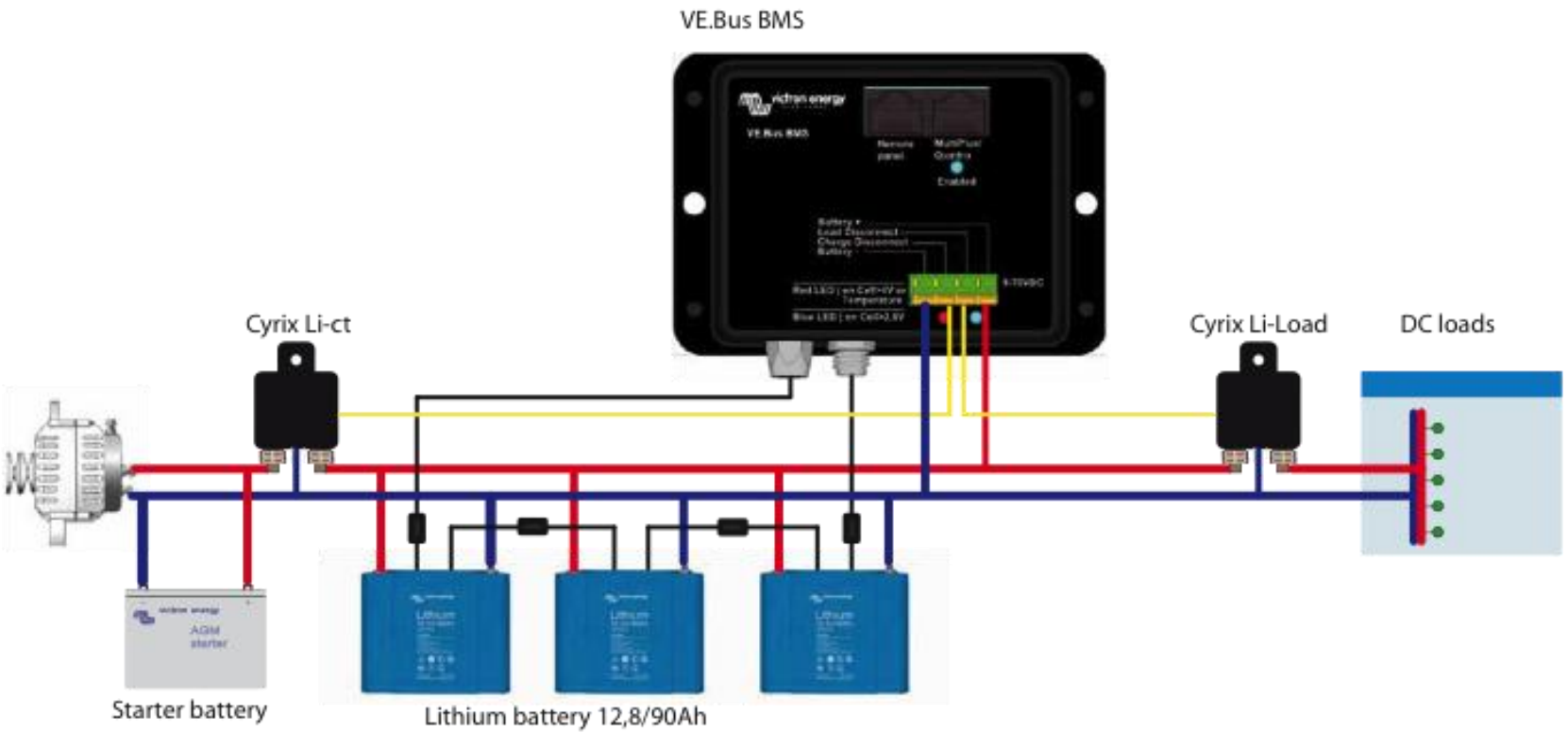
Communicates with all VE.Bus products

The VE.Bus BMS connects to a MultiPlus, Quattro or Phoenix inverter with a standard RJ45 UTP cable.

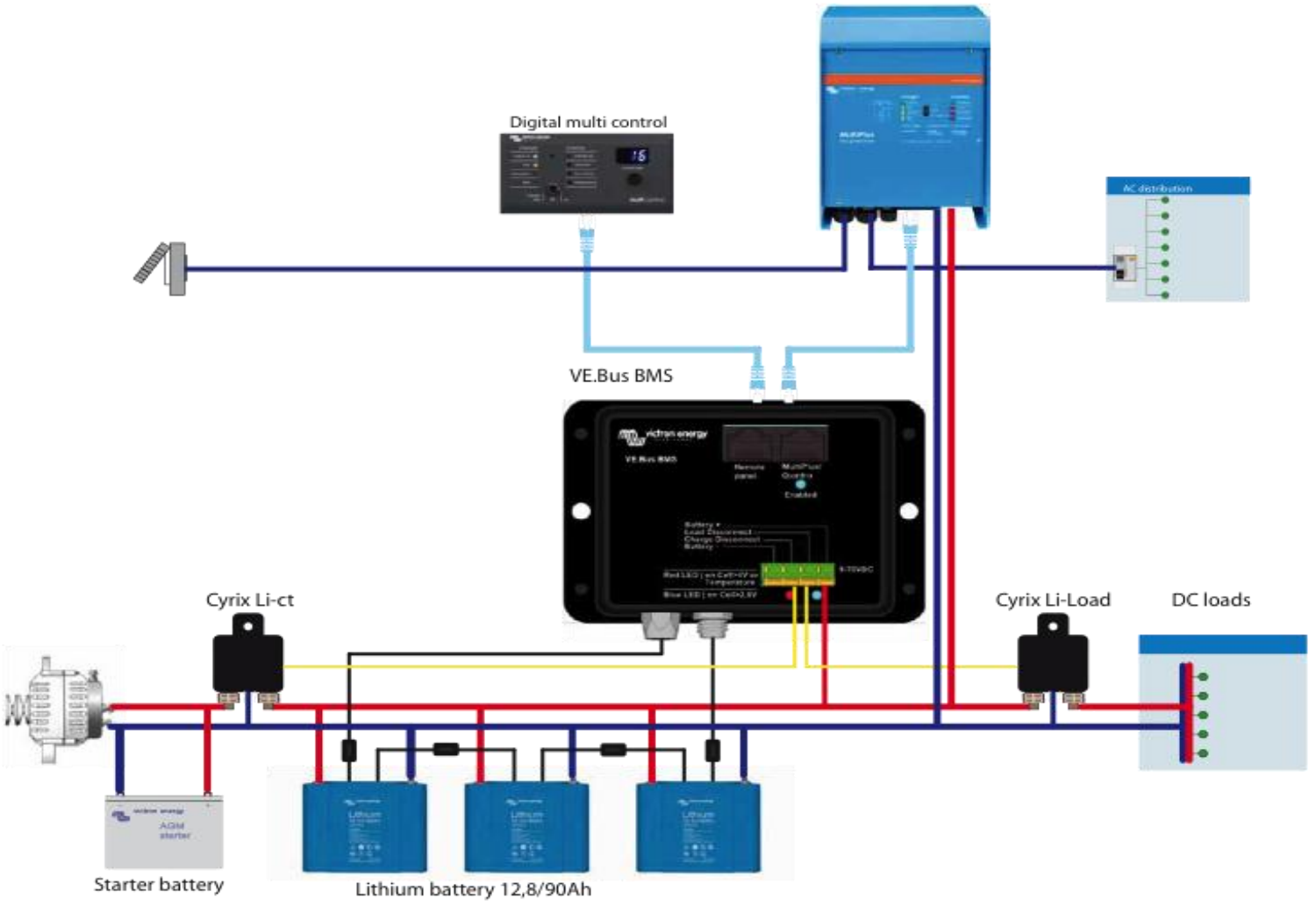
LED indicators

Enabled (blue)	: VE.Bus products are enabled.
Cell>4V or temperature (red)	: charge disconnect output low because of imminent cell over voltage or over temperature.
Cell>2,8V (blue)	**:** load disconnect active.

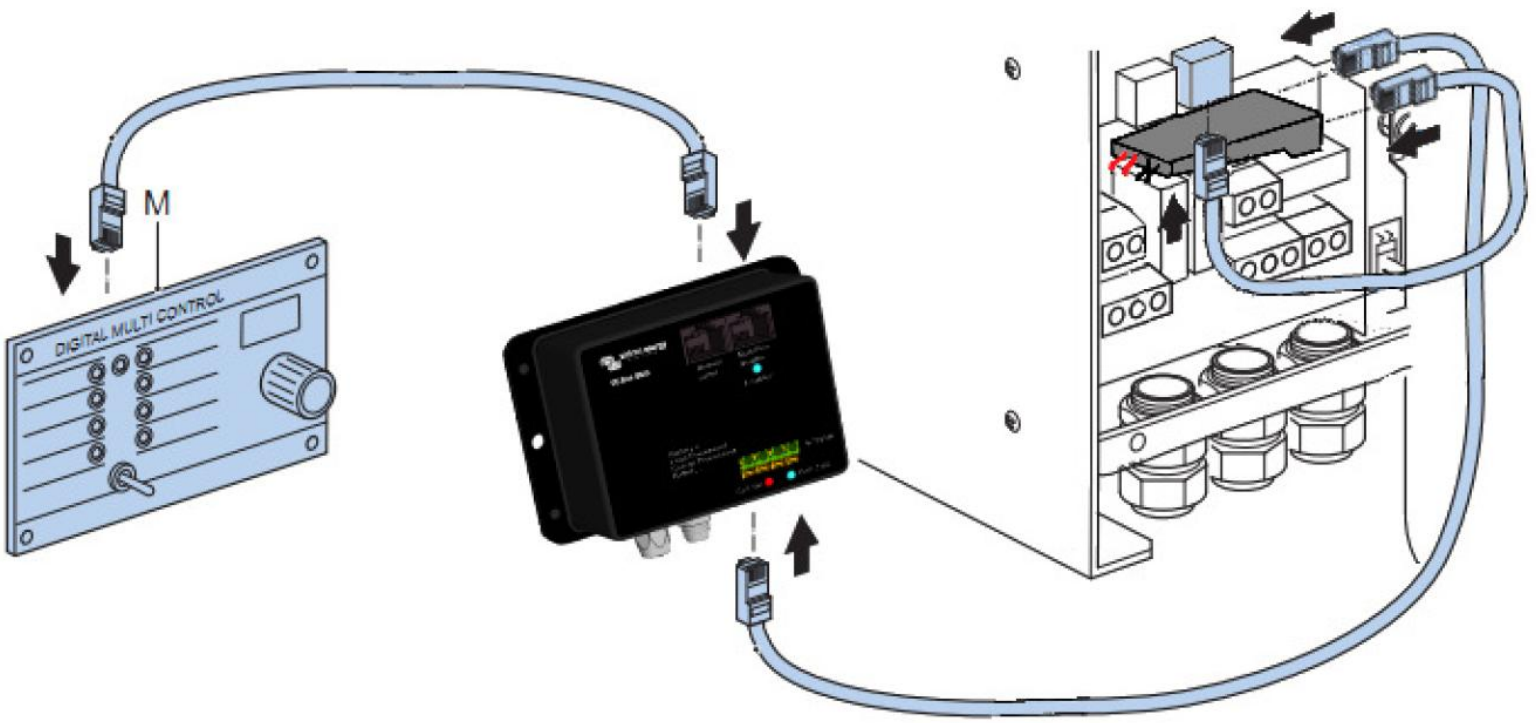
VE.Bus BMS


VE.Bus BMS
Cyrix Li-ct
Cyrix Li-Load
DC loads
Starter battery
Lithium battery 12,8/90Ah

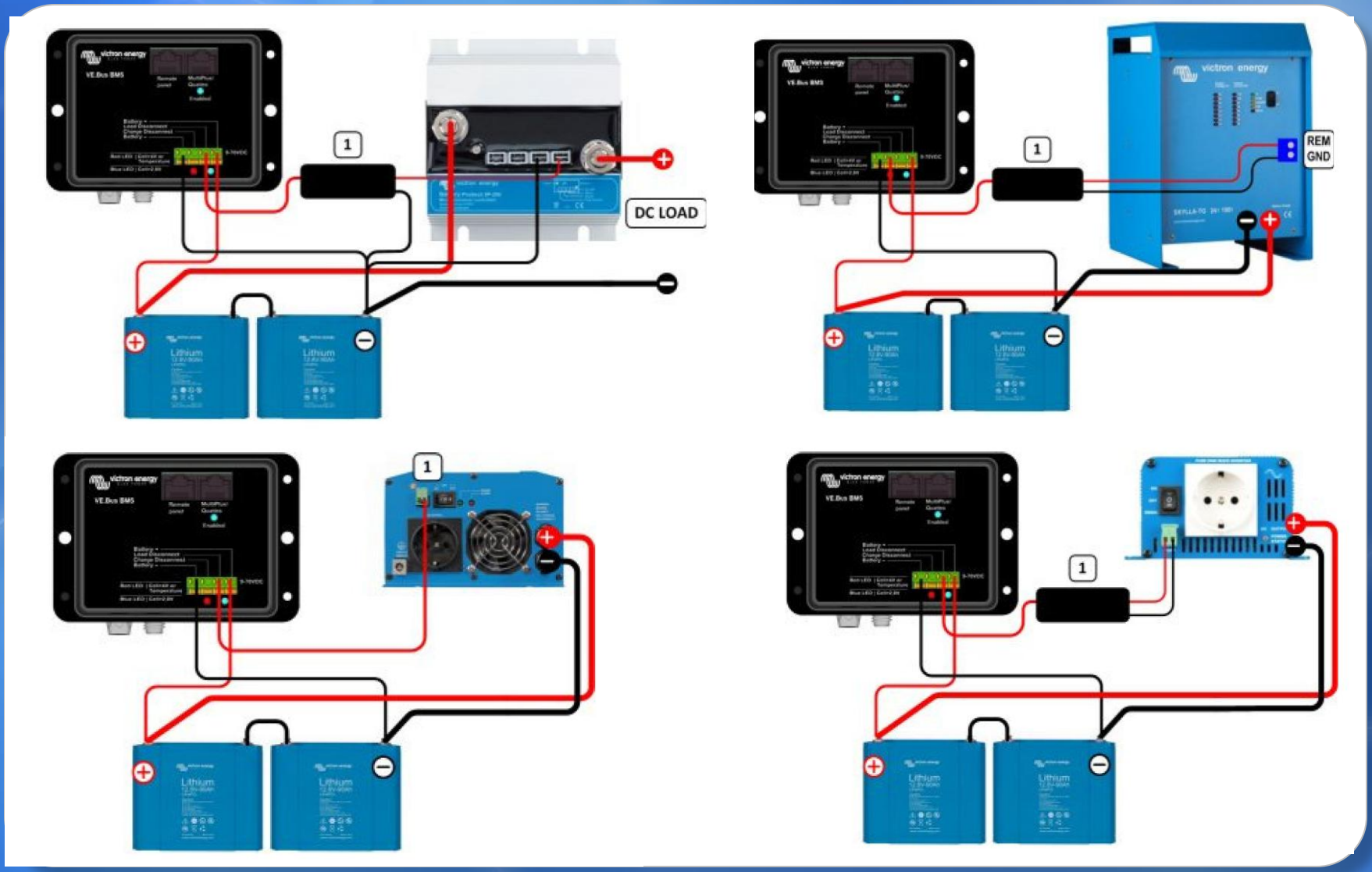
VE.Bus BMS


Digital multi control
AC distribution
VE.Bus BMS
Cyrix Li-ct
Cyrix Li-Load
DC loads
Starter battery
Lithium battery 12,8/90Ah

VE.Bus BMS



VE.Bus BMS



Cyrix Update

Cyrix-I
This one will going to be replaced by the Cyrix-ct
Contacts are temperature controlled which extends lifespan

Cyrix-Li-Charge
For charging Lithium batteries only from charge side (Diode)
Voltage measurement on both sides

Cyrix-Li-ct
For paralleling Lithium batteries with lead acid starter battery

Cyrix-Li-Load
For (dis)connecting loads on battery voltage /Ve.bus bms

Easy Solar

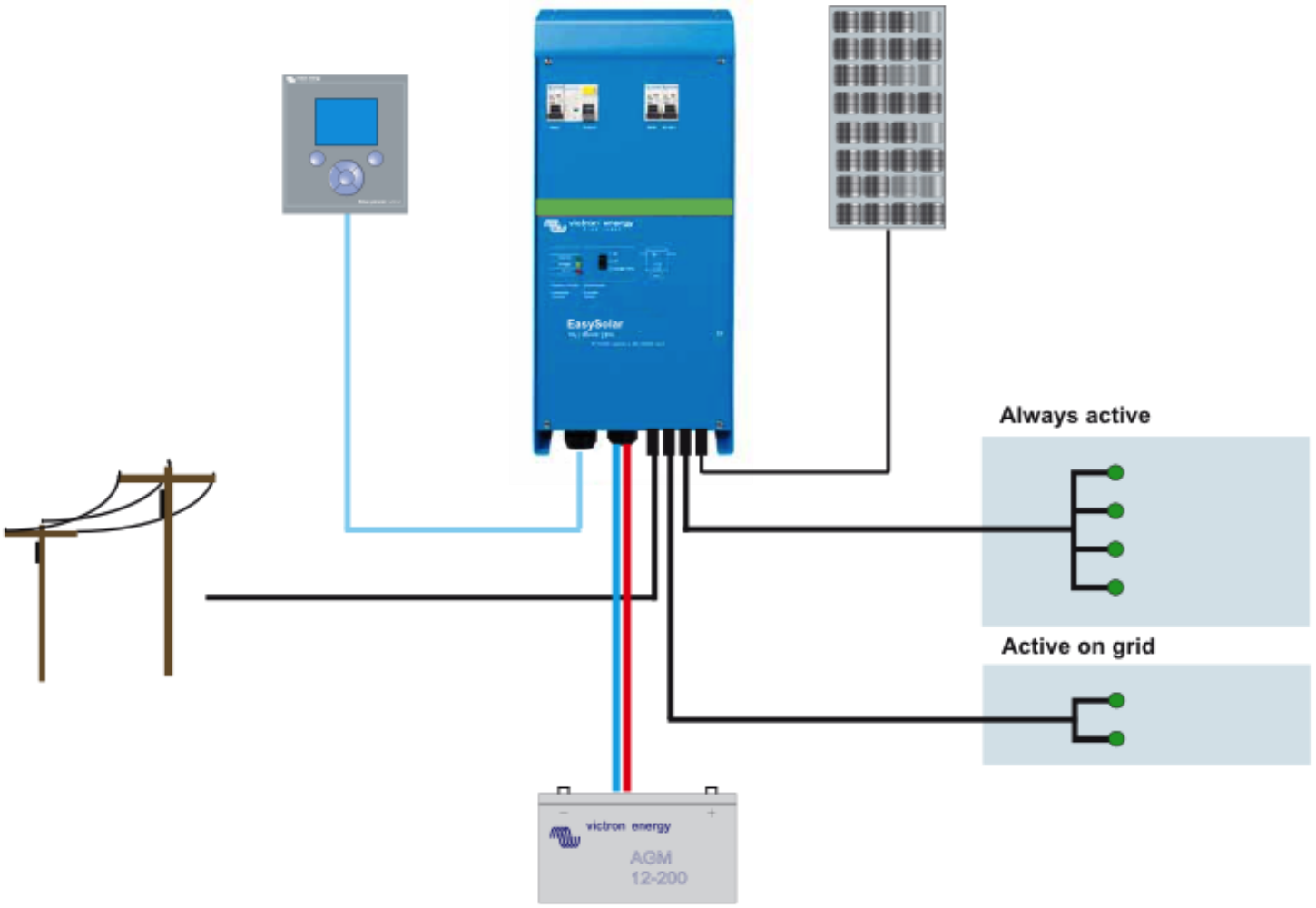
Based on Multi 12/1600/70

Intergrated 15Amp Mppt controller
Main AC output
Switched AC output

Easy installing
- AC1 in
- AC1 out
- AC2 out
- MC4 Solar
- Battery cabling

victron energy
BLUE POWER

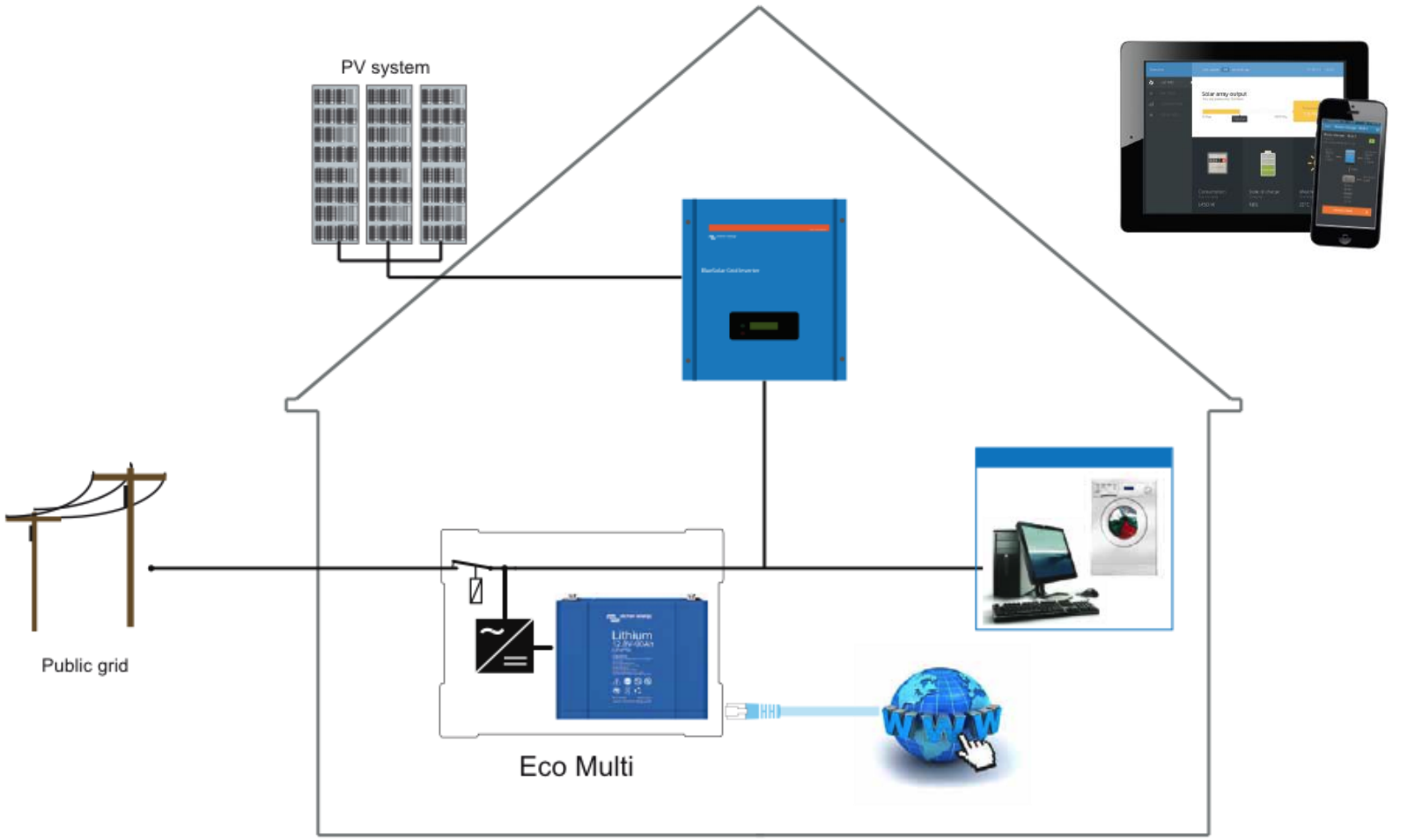
Easy Solar



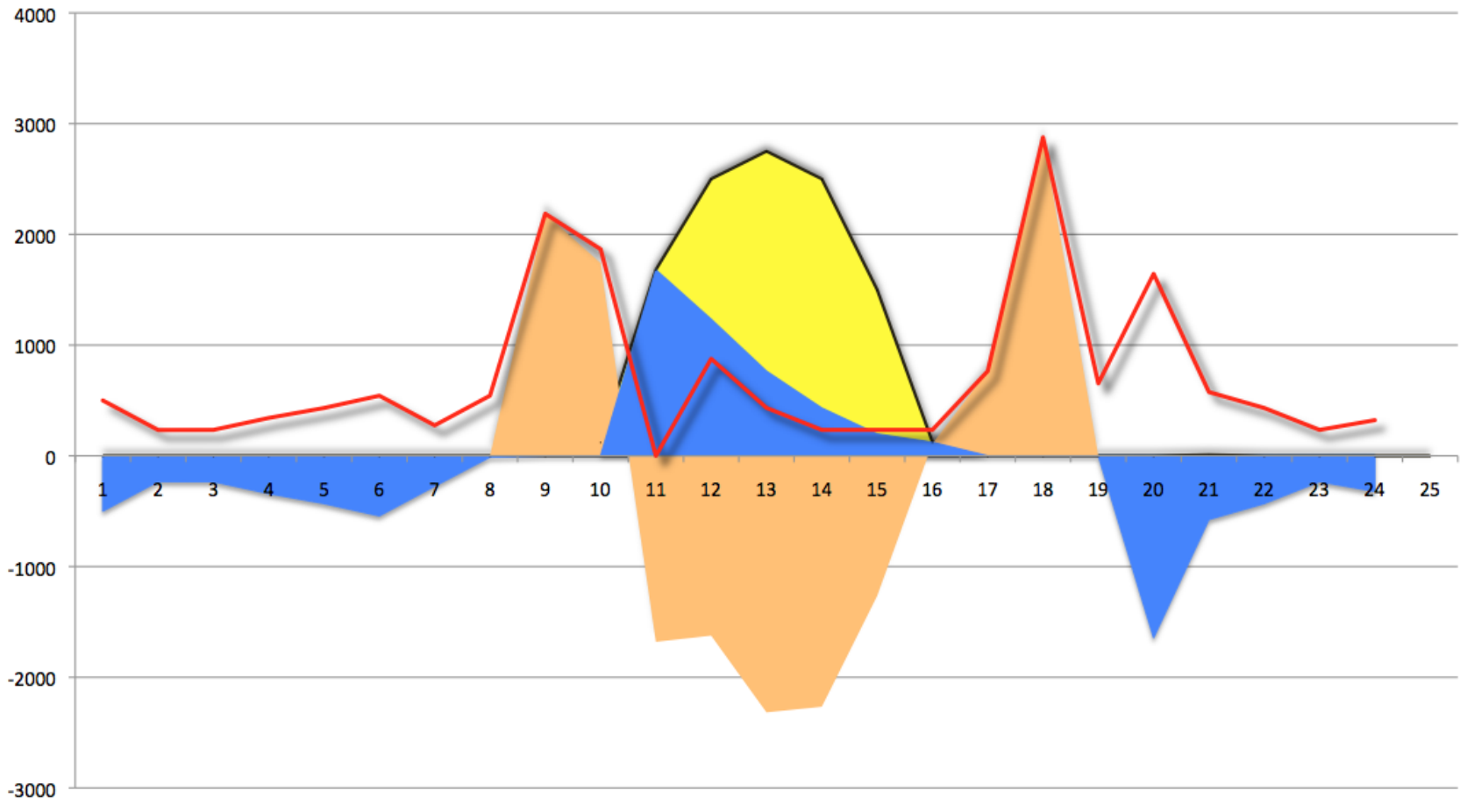
victron energy
BLUE POWER

ECO multi

ECO multi



ECO multi


4000
3000
2000
1000
0
-1000
-2000
-3000
1
2
3
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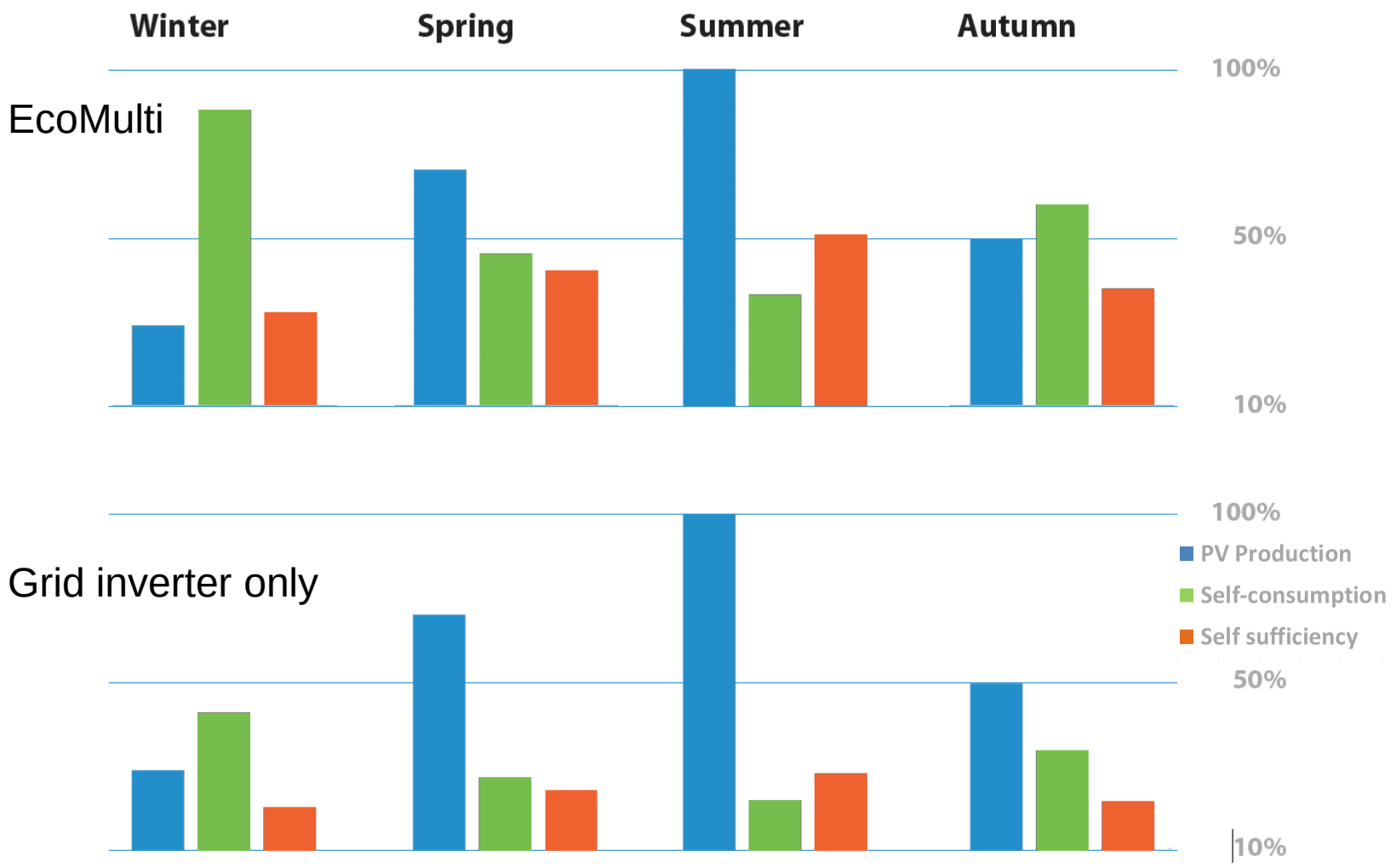
ECO multi


Winter
Spring
Summer
Autumn
EcoMulti
100%
50%
10%
Grid inverter only
100%
50%
10%
PV Production
Self-consumption
Self sufficiency

ECO multi

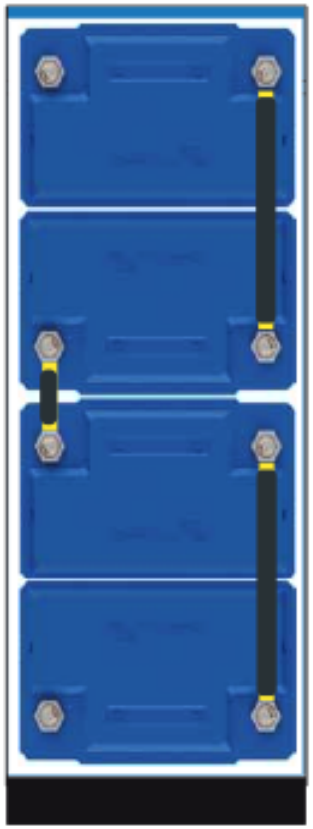
Based on a Multi 24/3000/70 and 2 x LPF 90Ah (2.3kWh)

Is 2.3Kwh enough?
Whenever PV output exceeds consumption, storing excess output for later use will increase self-consumption.
A 2.3 kWh Li-ion battery is an efficient solution for a two person energy conscious household.

Energy consumption from dusk to dawn will be 2 kWh or more, even when no energy hungry appliances like a dishwasher or clothes dryer are used. A fully charged 2.3 kWh battery will therefore be discharged before the sun starts shining again.
The average household with two children would fully utilize a 4.6 kWh Li-ion battery; one additional battery module.

Battery Tower

Battery Tower 2.3kWh/25,6V	50 Kg
Battery Tower 4.6kWh/25,6V	82 Kg
Battery Tower 4.6kWh/51,2V	82 Kg



Question or remarks?