

Automotive system booklet

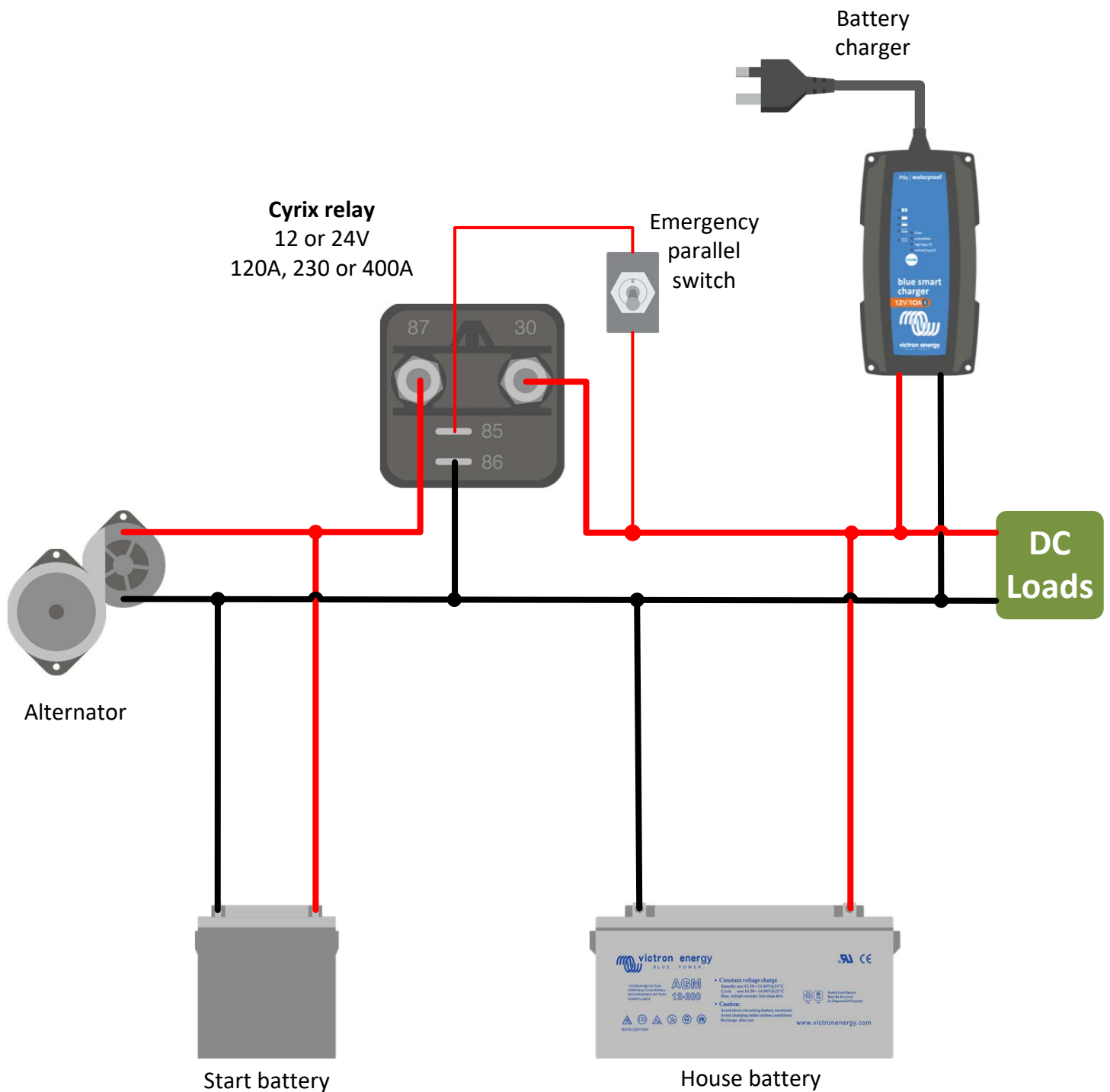
A variety of automotive electrical systems



victron energy
BLUE POWER

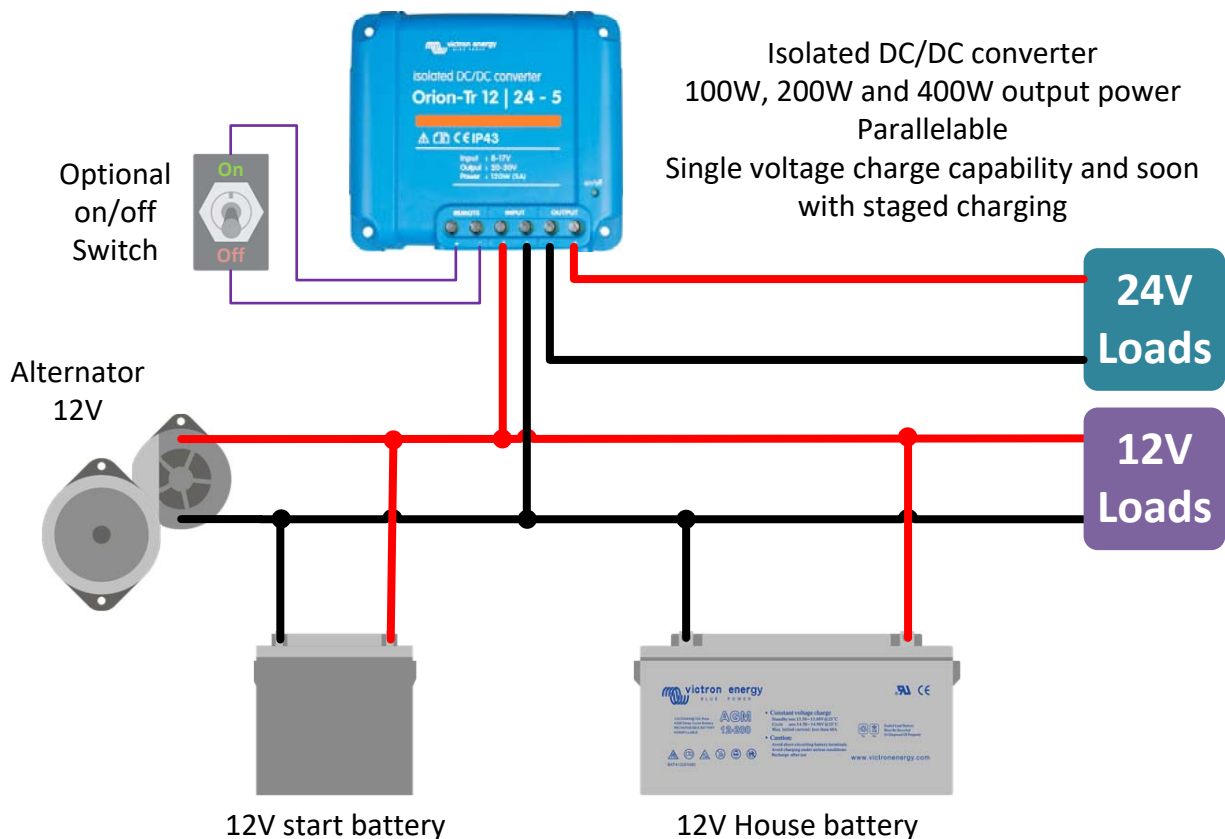
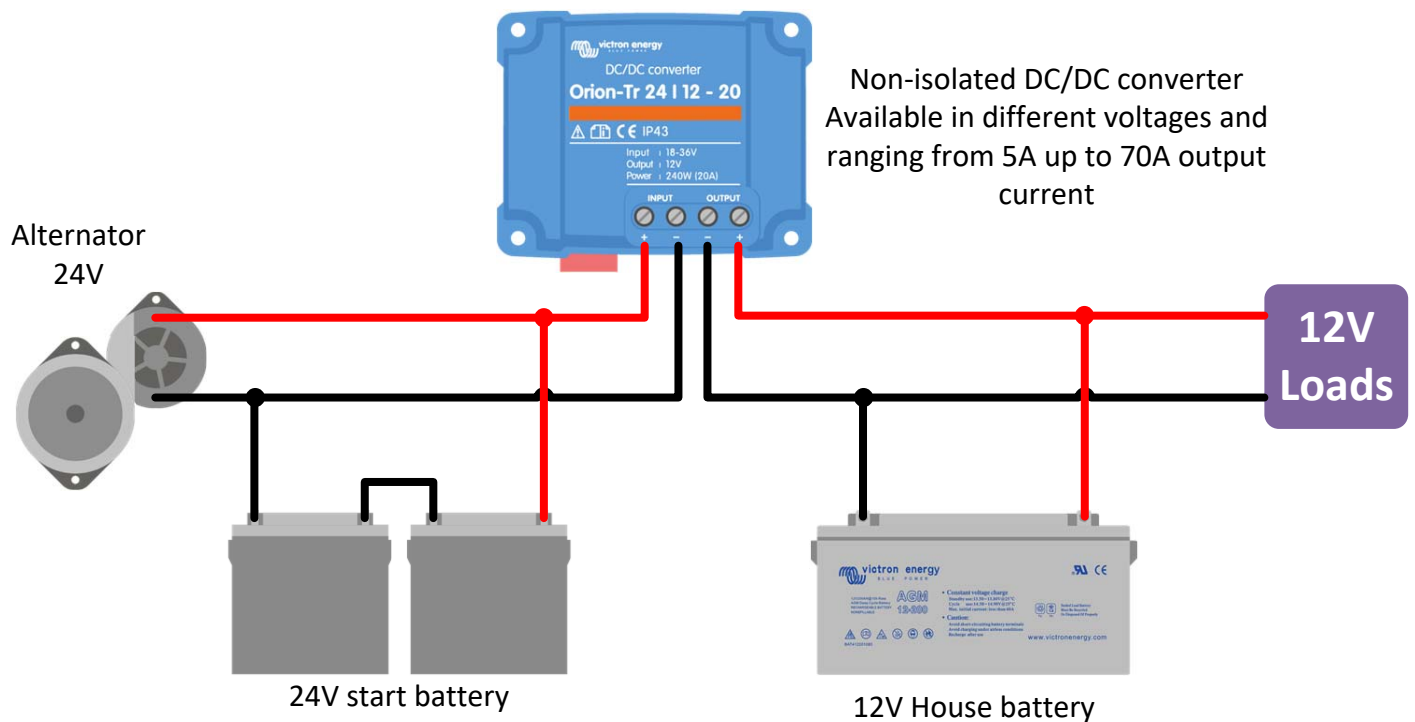
Automotive system

Dual battery system - Cyrix voltage sensitive relay
Bidirectional voltage sensing and charging



Automotive system

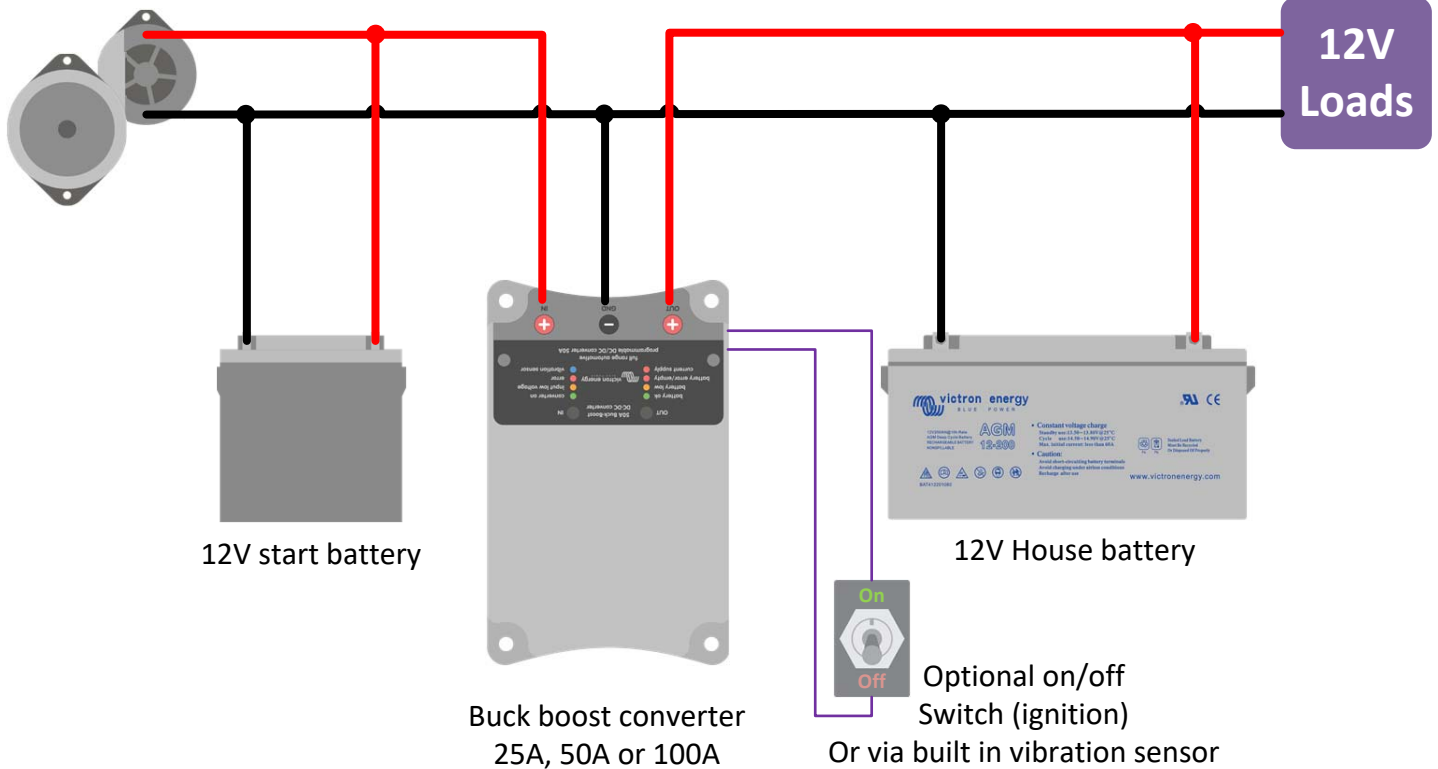
DC to DC charging or converting DC voltages



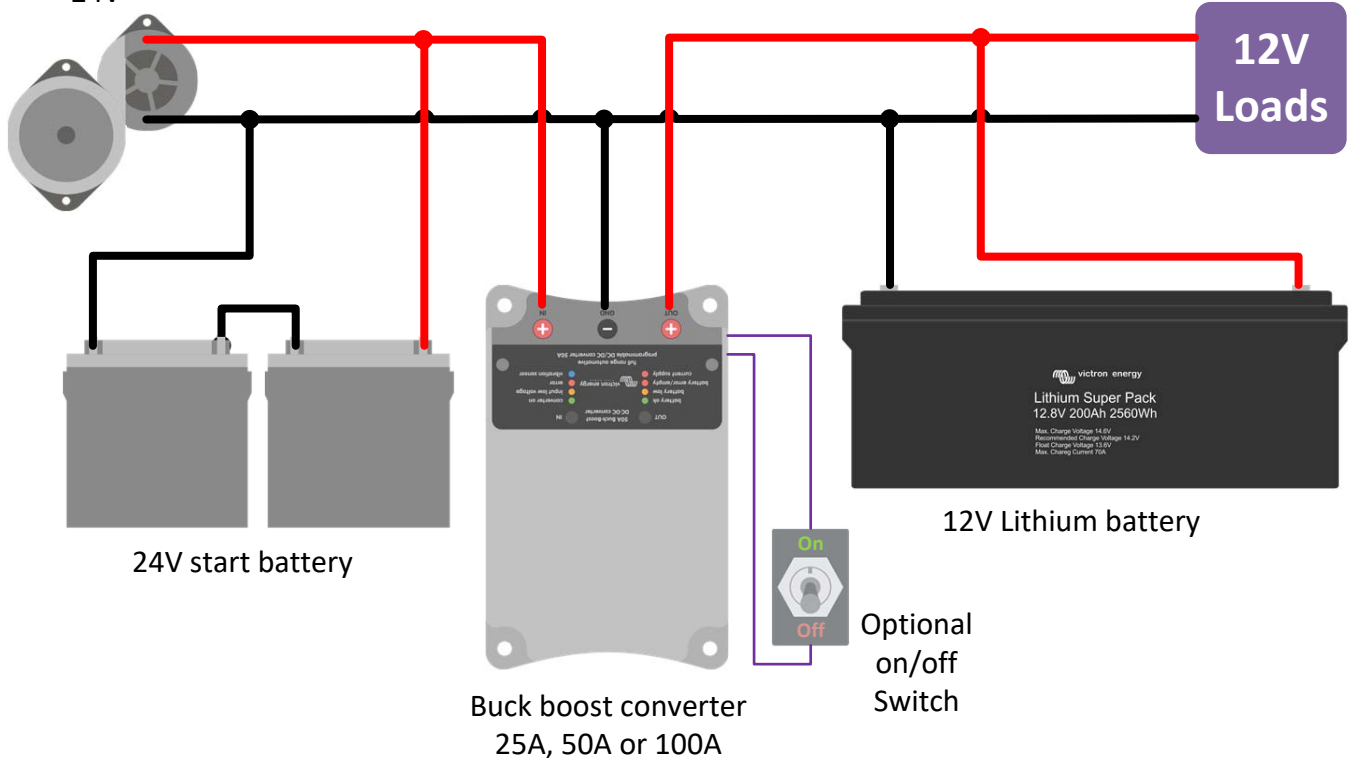
Automotive system

3 stage DC to DC charging from the same or different DC voltages (12-12, 12-24, 24-12)
Able to work with smart alternators and can current limit for lithium batteries

Smart alternator
12V

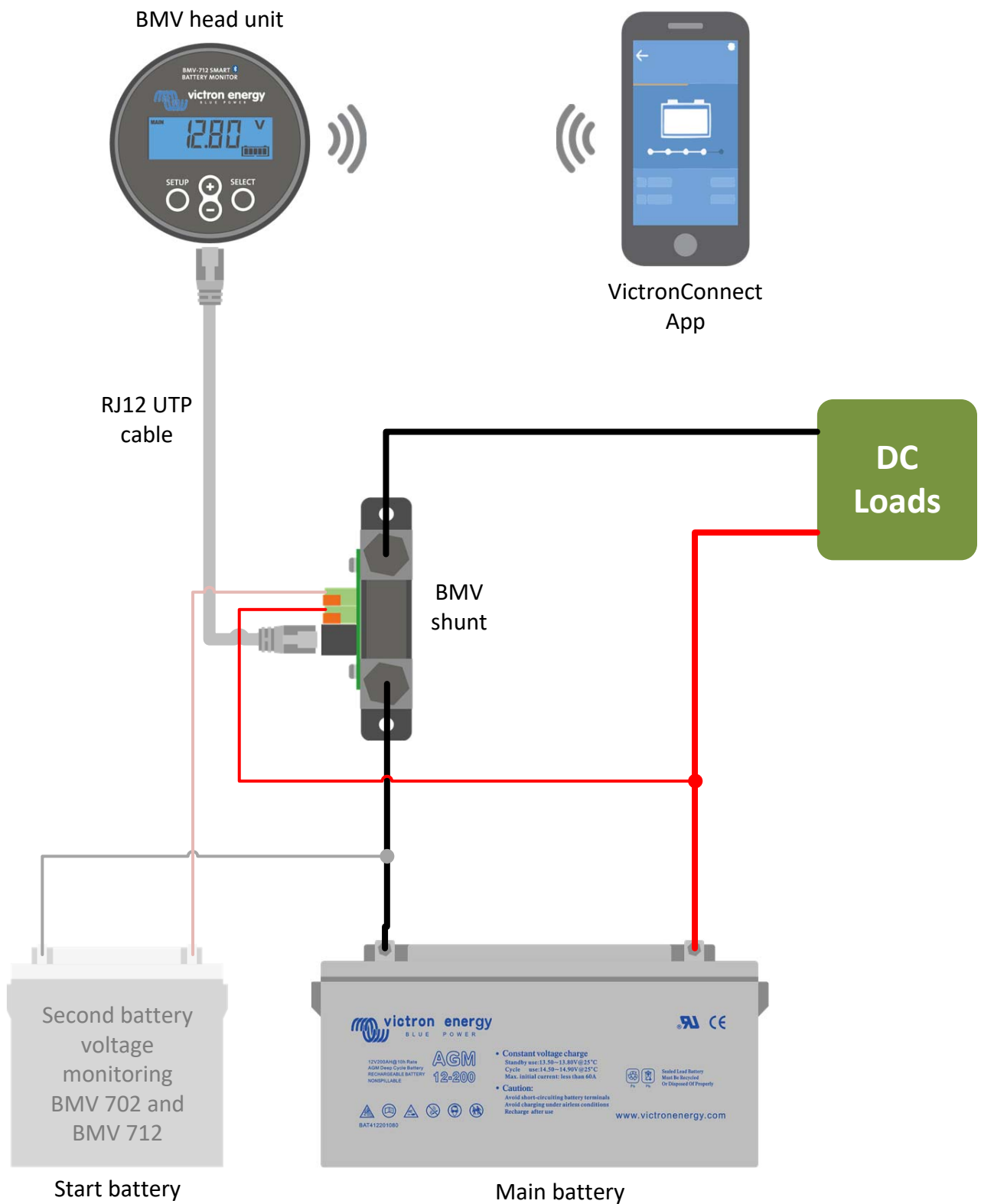


Smart alternator
24V



Automotive system

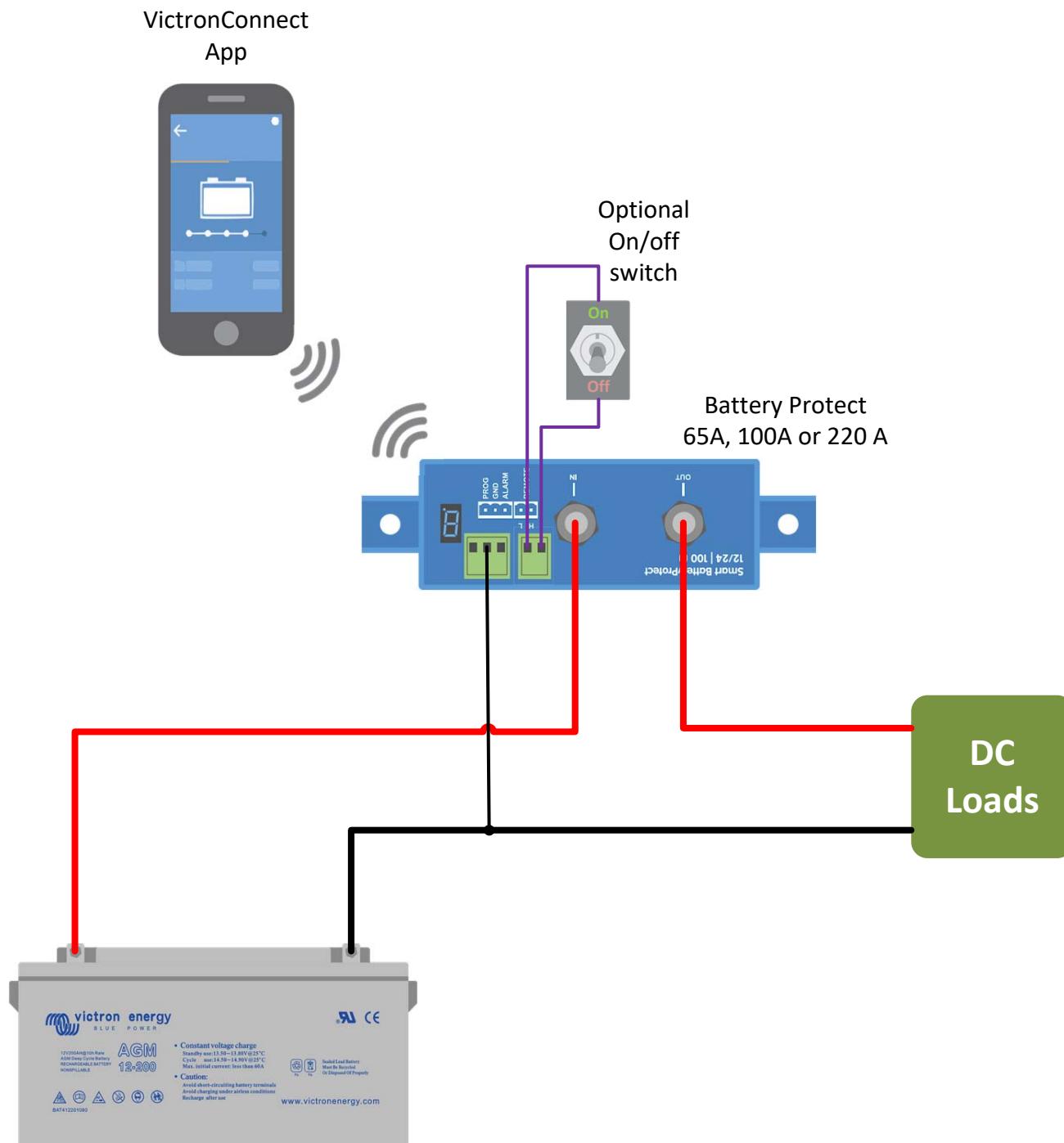
Battery monitoring for 12, 24 or 48V systems



Automotive system

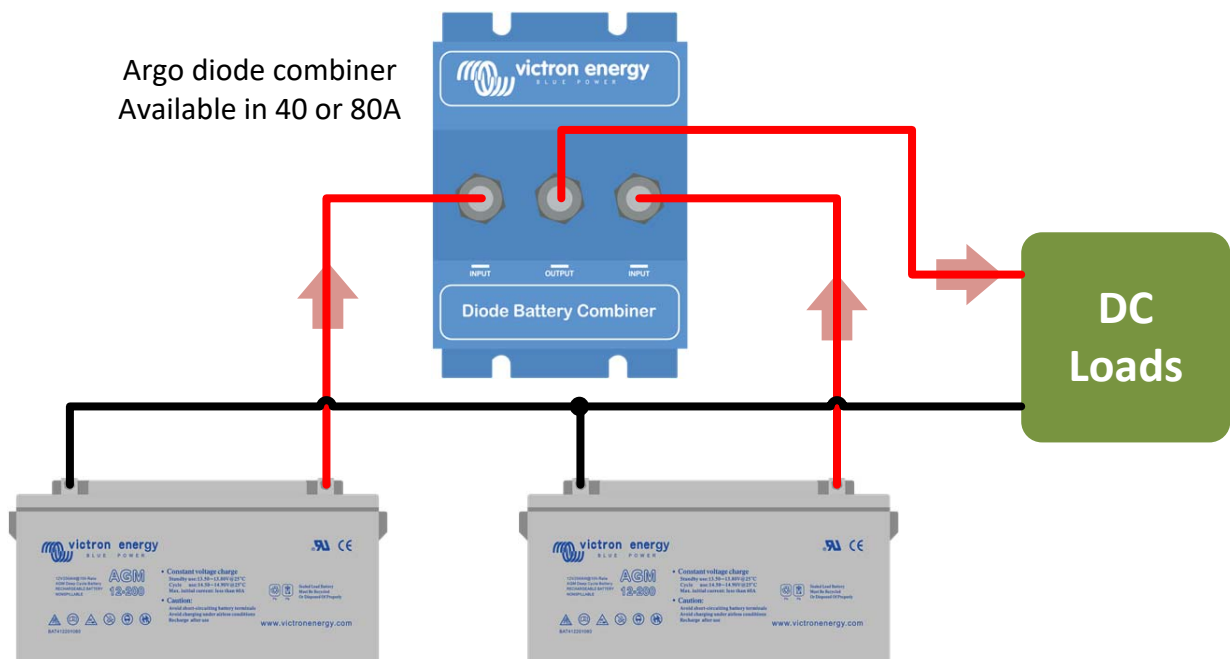
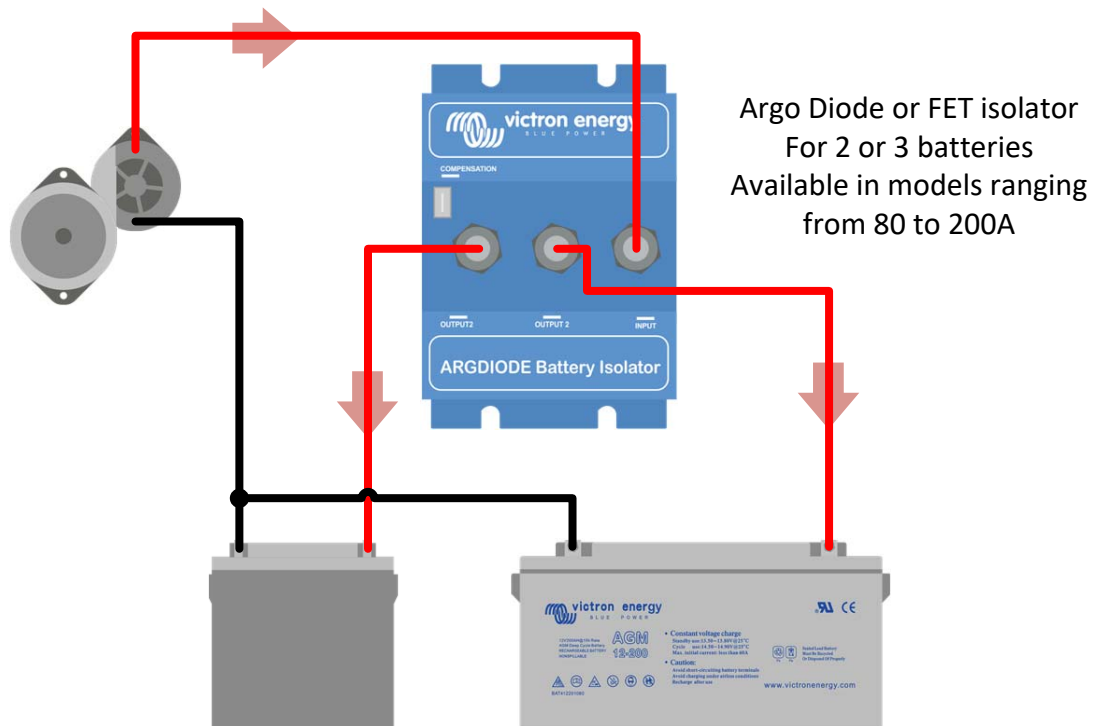
Battery Protect for 12V, 24V or 48V systems

Disconnect loads before battery is flat



Automotive system

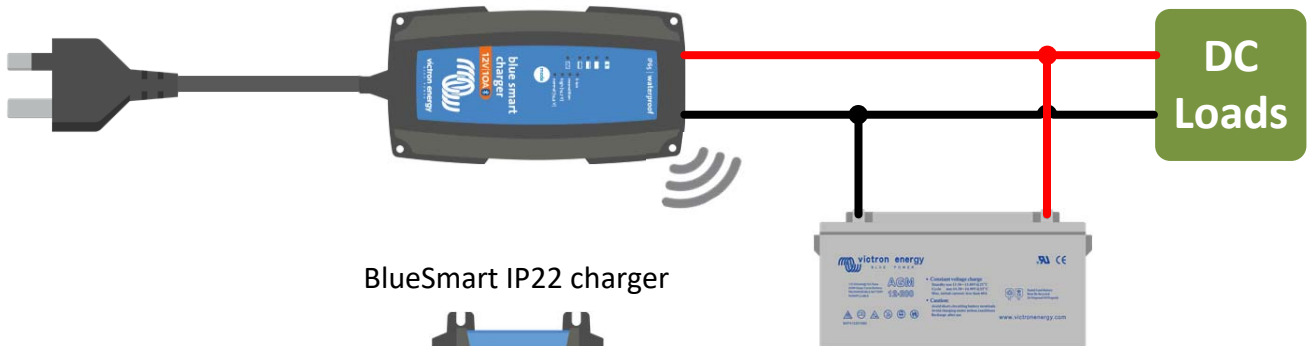
Diode or FET splitters to charge multiple battery banks from one charge source
Diode combiners to run a DC loads from 2 individual battery banks



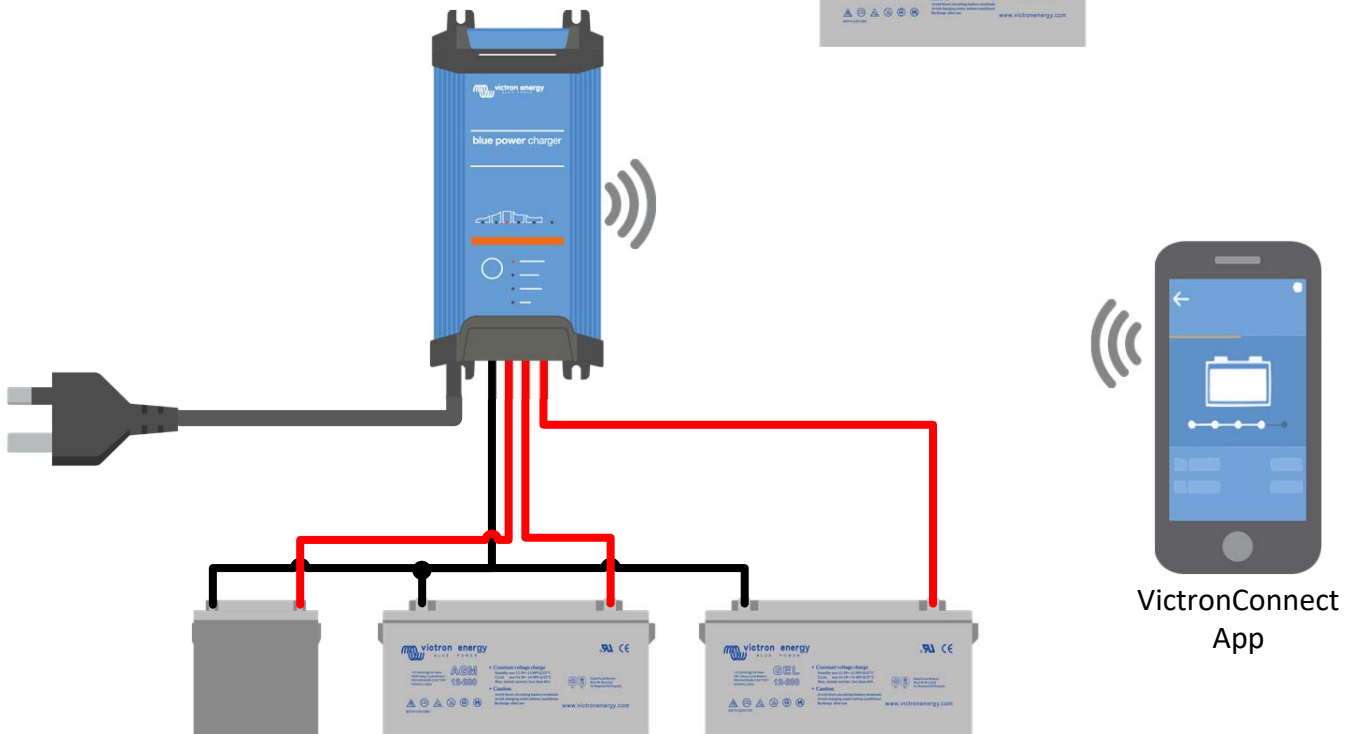
Automotive system

Chargers, for single battery banks, for multiple battery banks or used as a power supply

BlueSmart IP65 charger

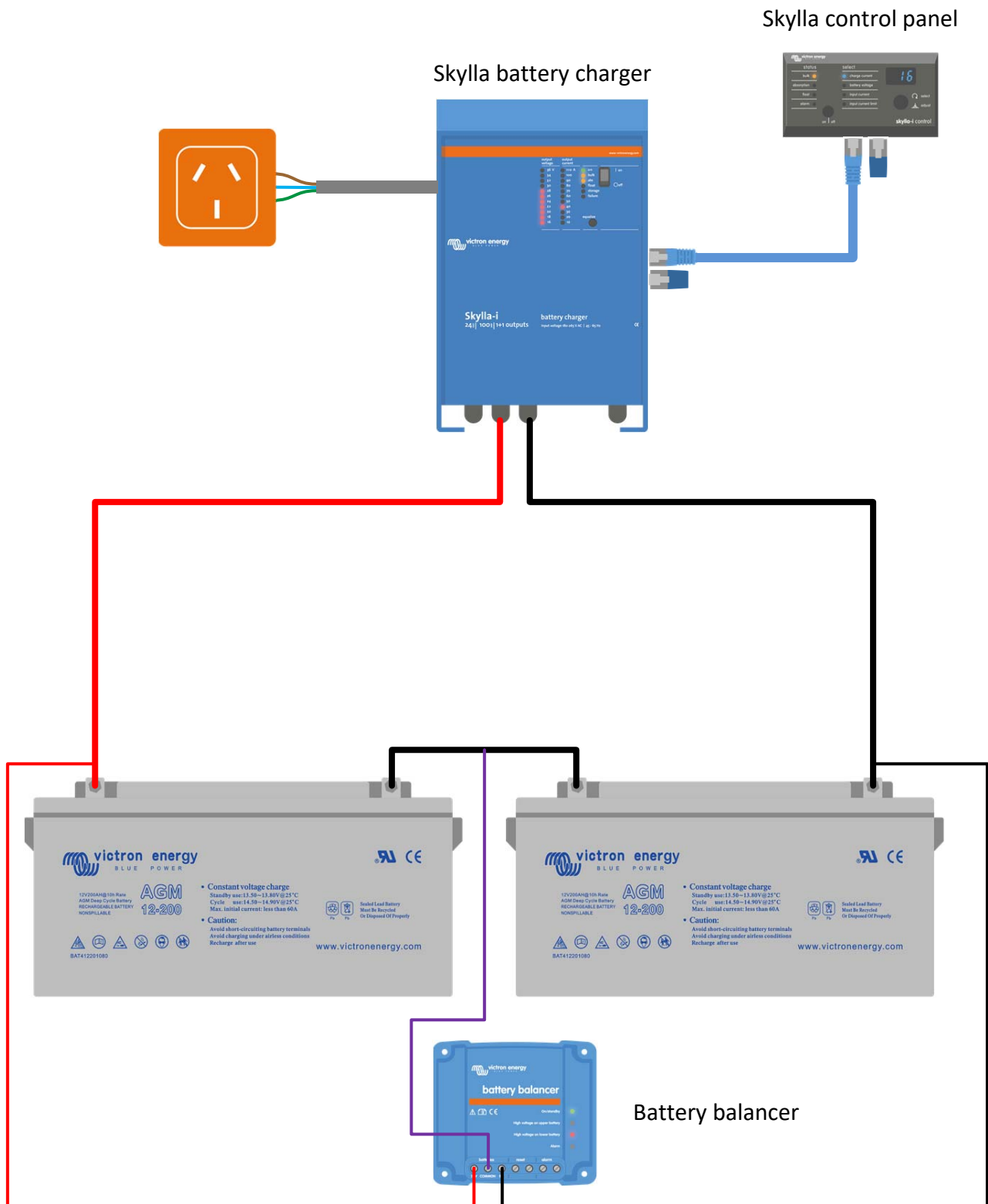


BlueSmart IP22 charger



Automotive system

Battery balancer to ensure both batteries in a 24V system are charged equally



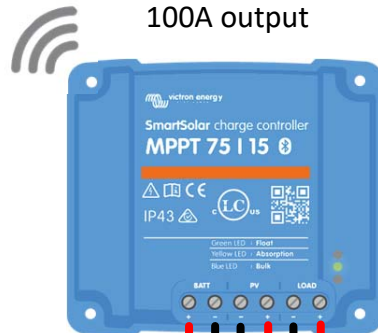
Automotive system

Solar system

VictronConnect
App for setup and/
or monitoring

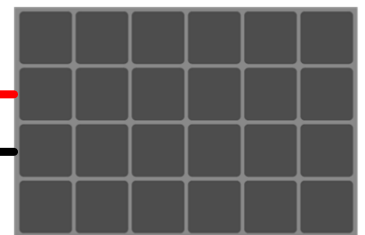


MPPT solar charger, ranging
in model from 10A up to
100A output



Automatic low
voltage disconnect

DC
Loads



Solar panel, can be multiple
panels in series
PV voltage can be 75 Voc



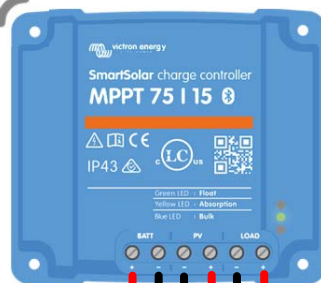
Automotive system

Monitoring and system setup with Victron Connect

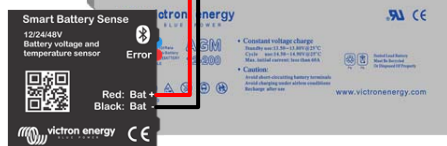
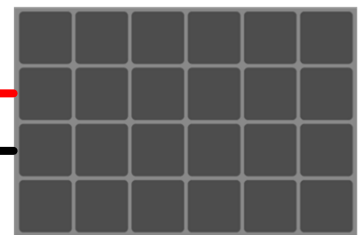
VictronConnect
App



SmartSolar
MPPT charge
controller



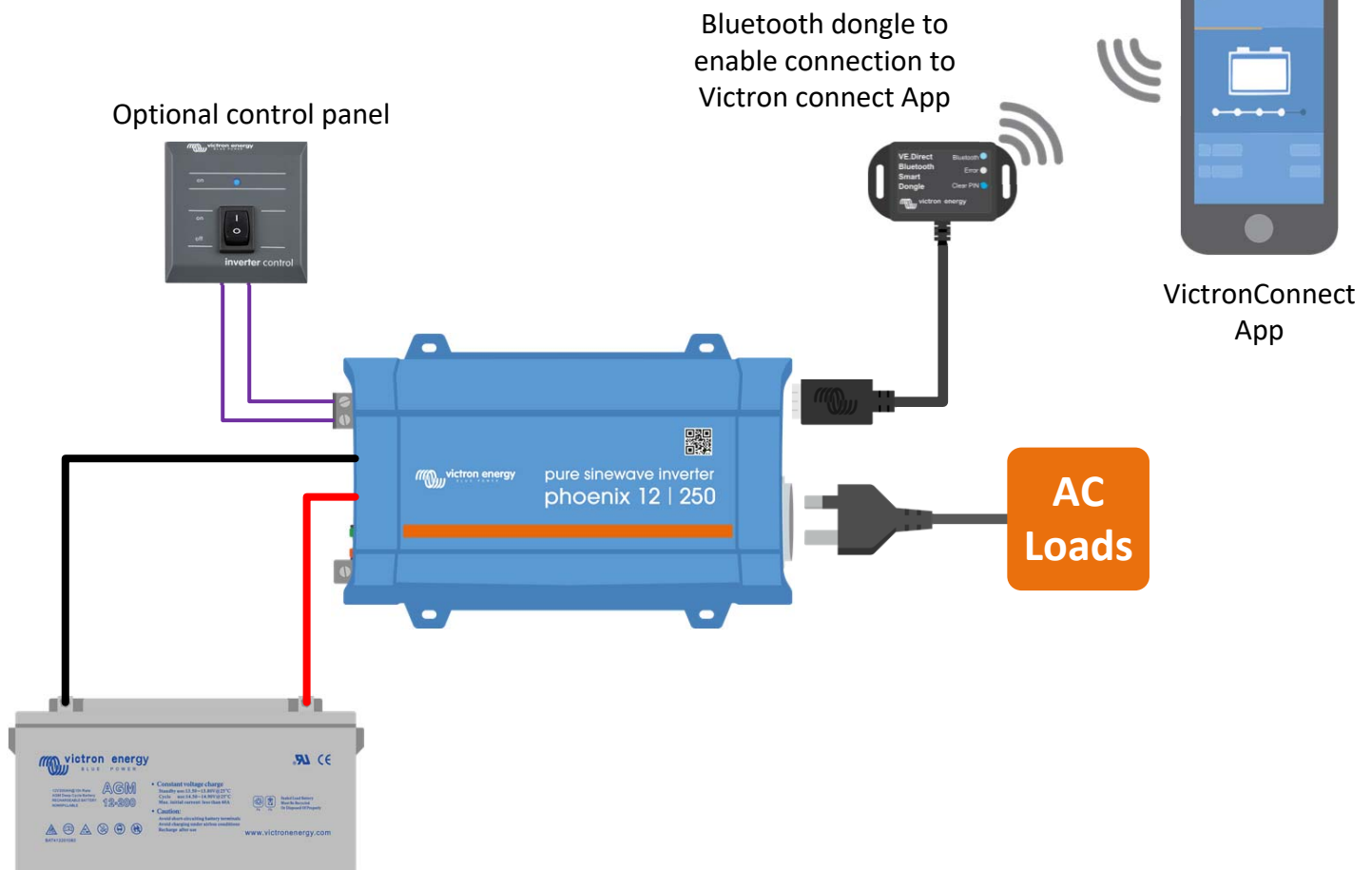
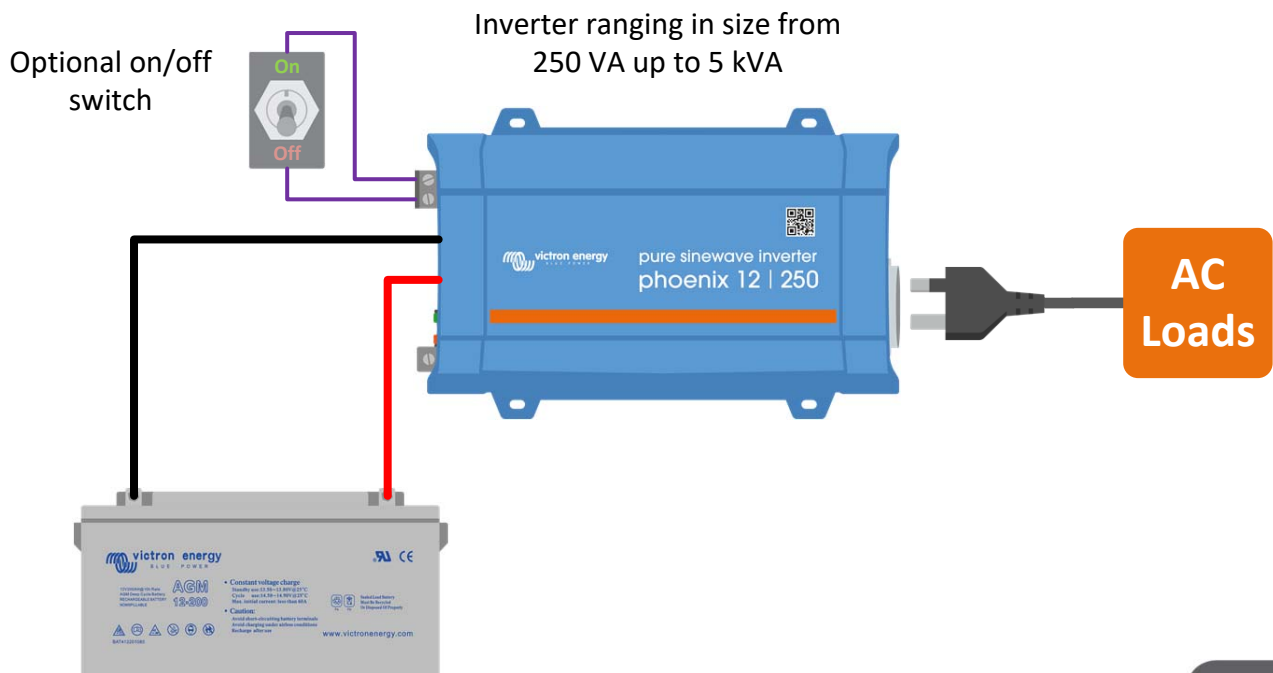
DC
Loads



Smart Battery Sense
measures voltage and
temperature and sends it to
the MPPT

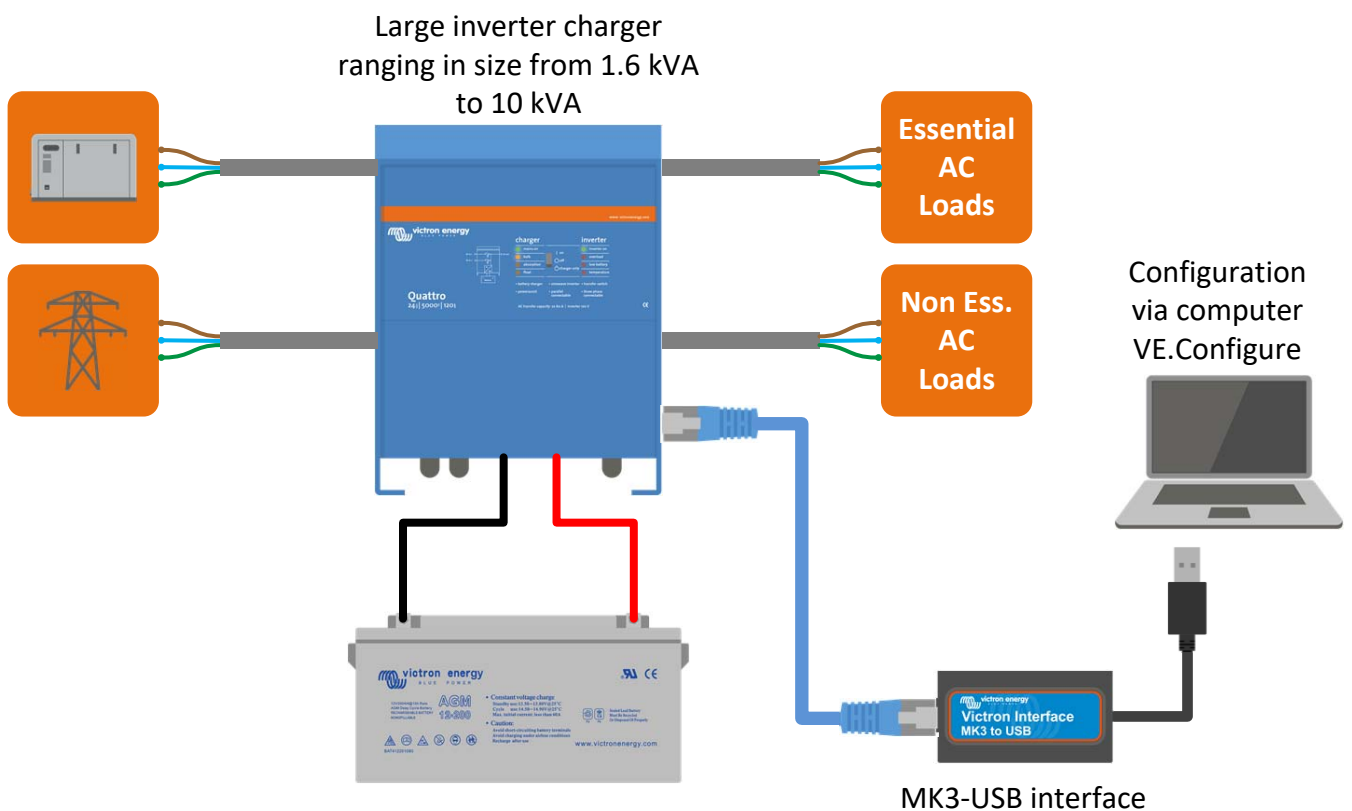
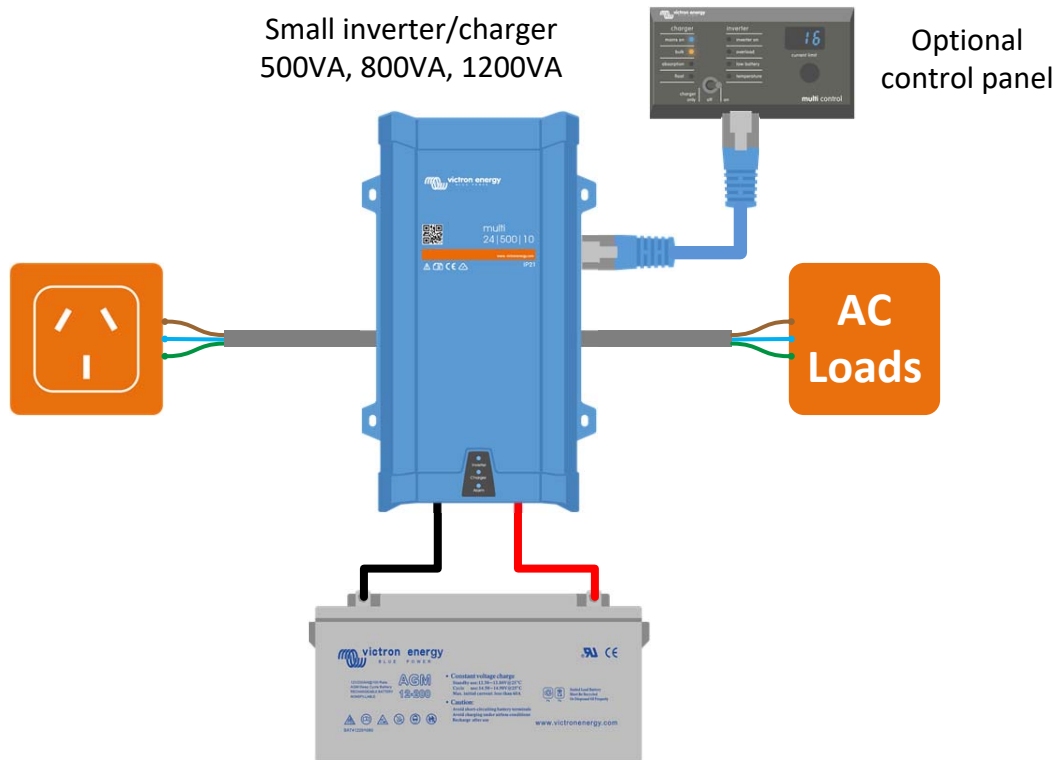
Automotive system

Inverter systems



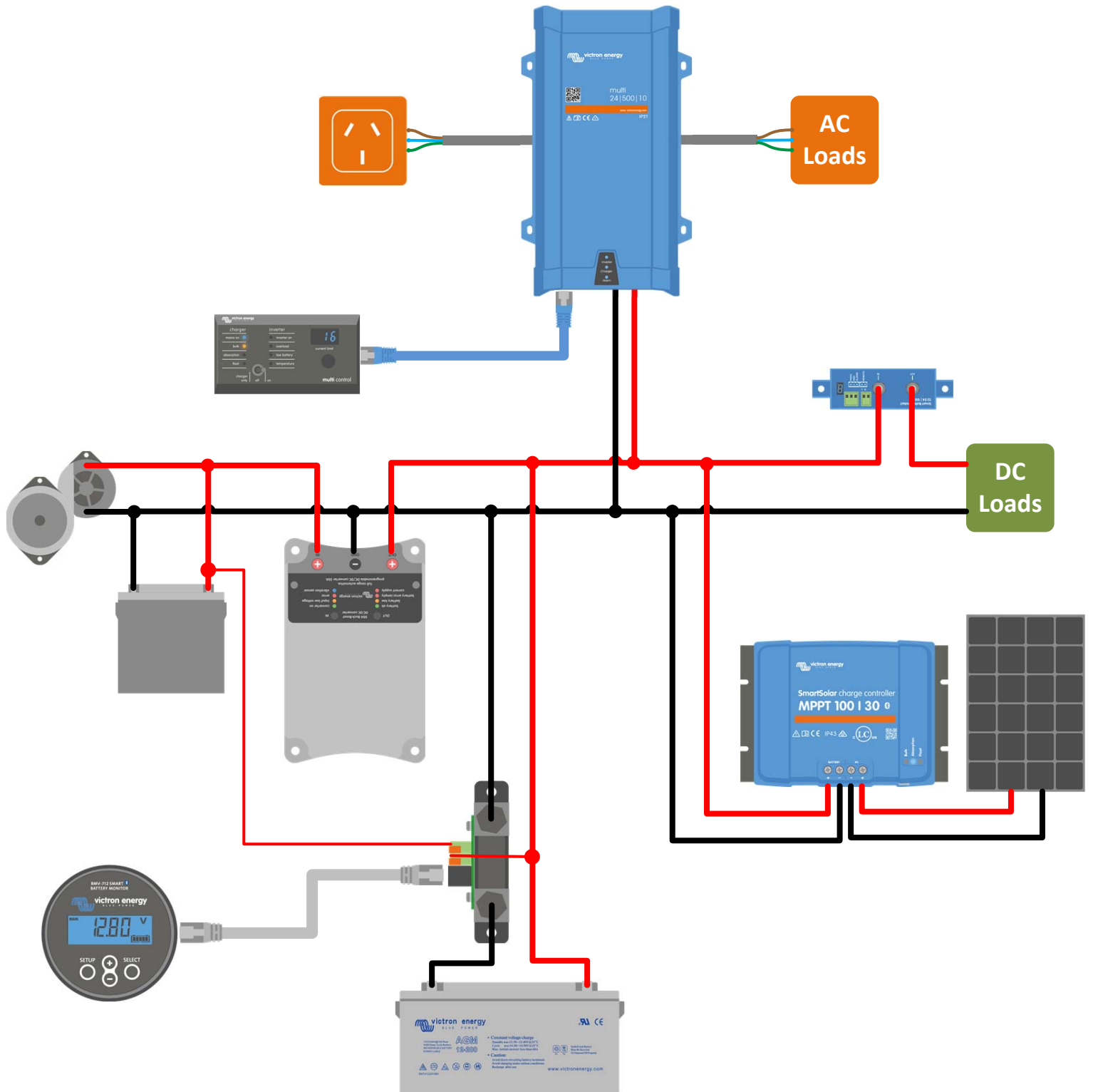
Automotive system

Inverter/charger systems



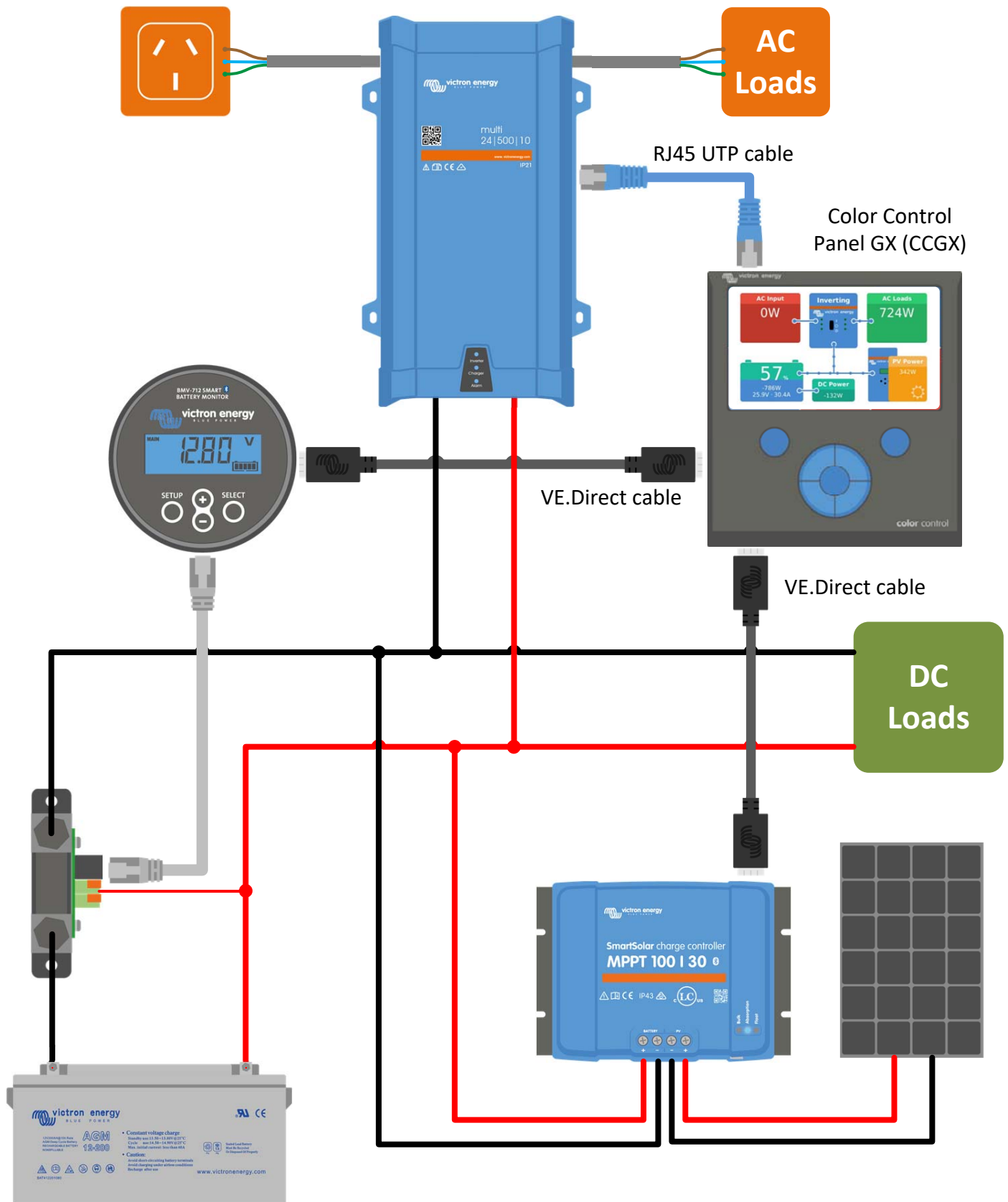
Automotive system

Advanced automotive system



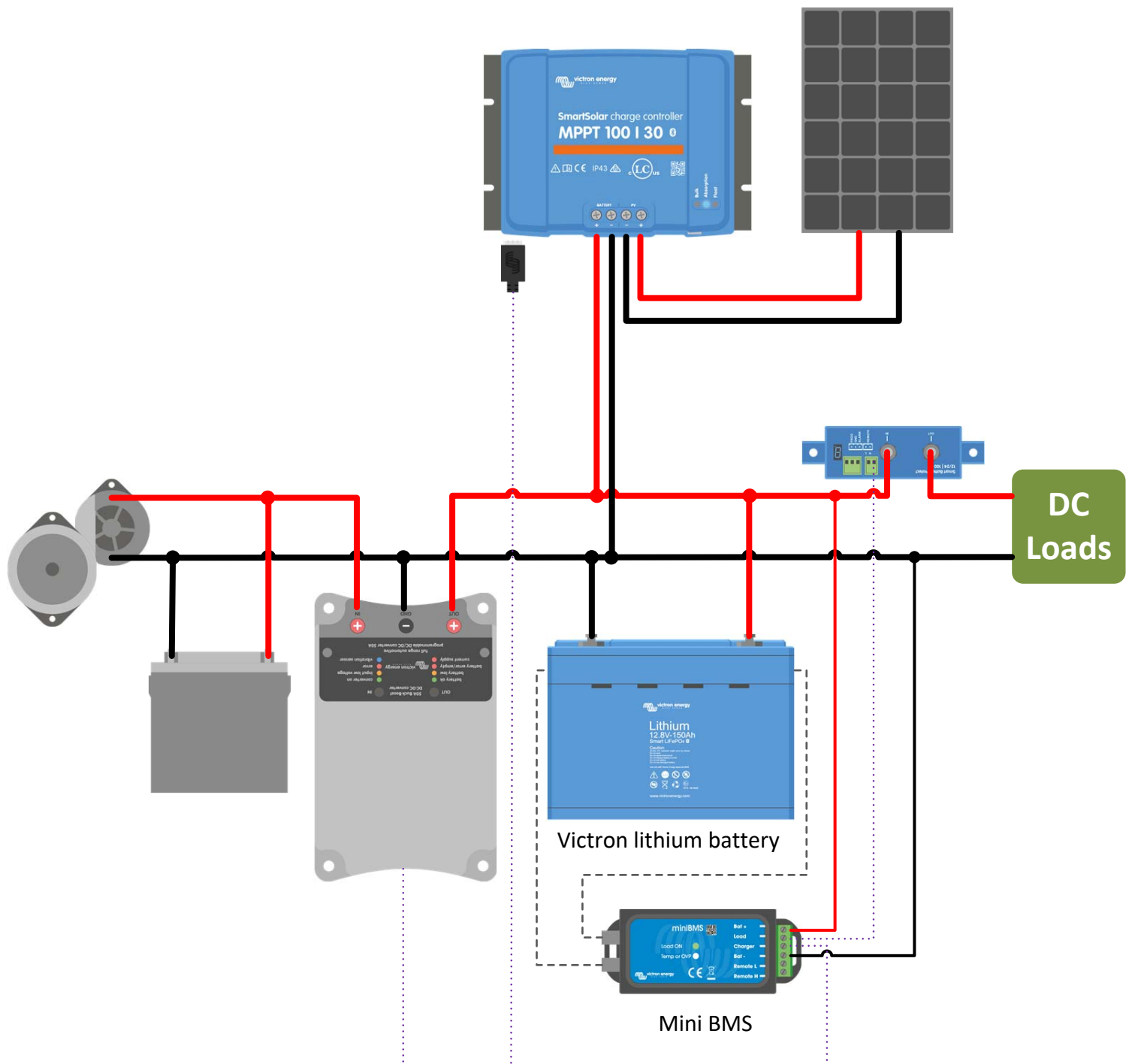
Automotive system

Monitoring with Color Control GX
Direct readout, or via internet



Automotive system

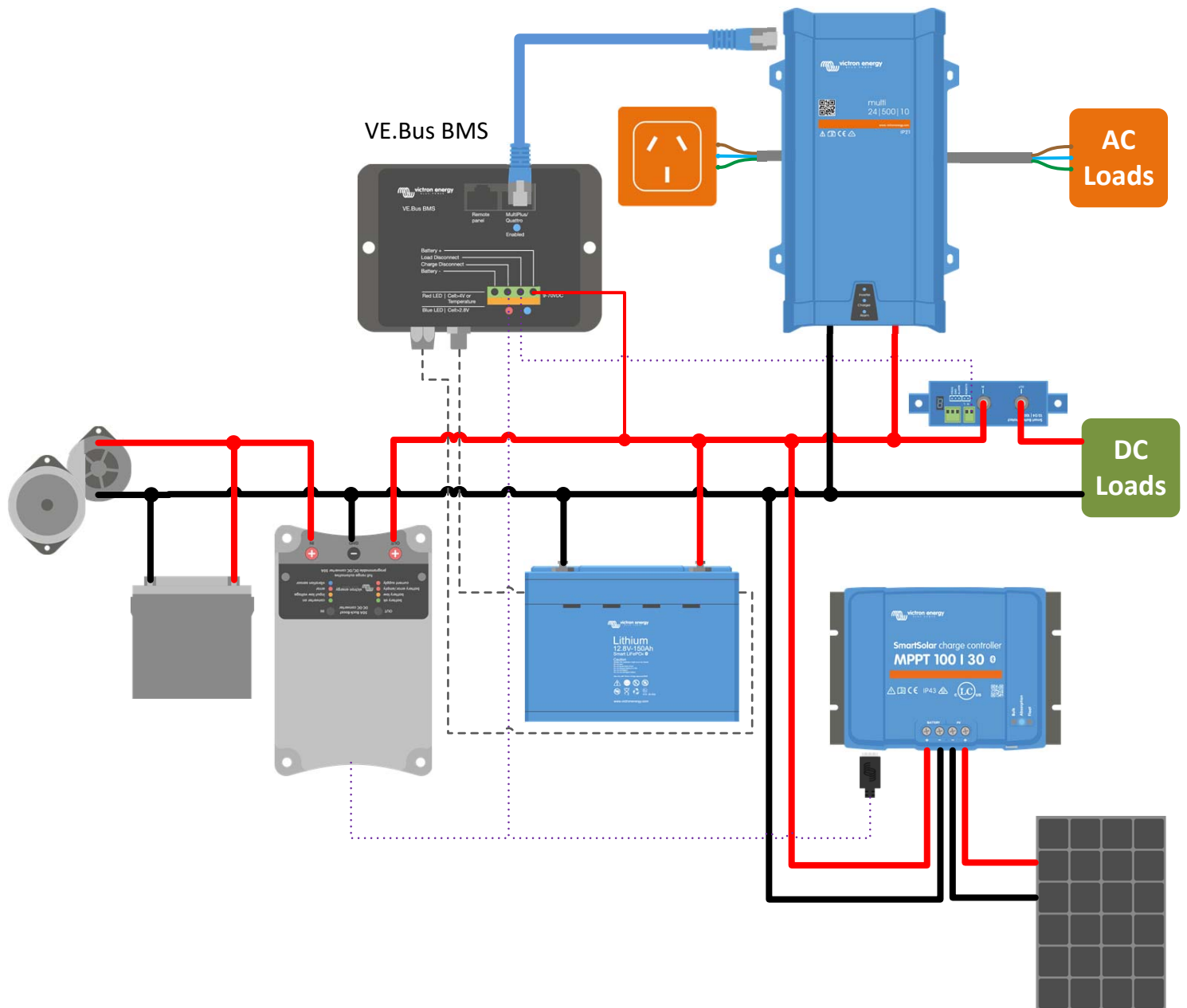
Simple lithium system



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Automotive system

Advanced lithium system





Battery chargers
Inverters
Inverter/chargers
Low voltage protect
Voltage sensitive relays
Solar chargers
AGM batteries
Lithium batteries
DC/DC converters
Buck boost converters
Battery monitors
System monitoring



For more info see:
www.victronenergy.com.au