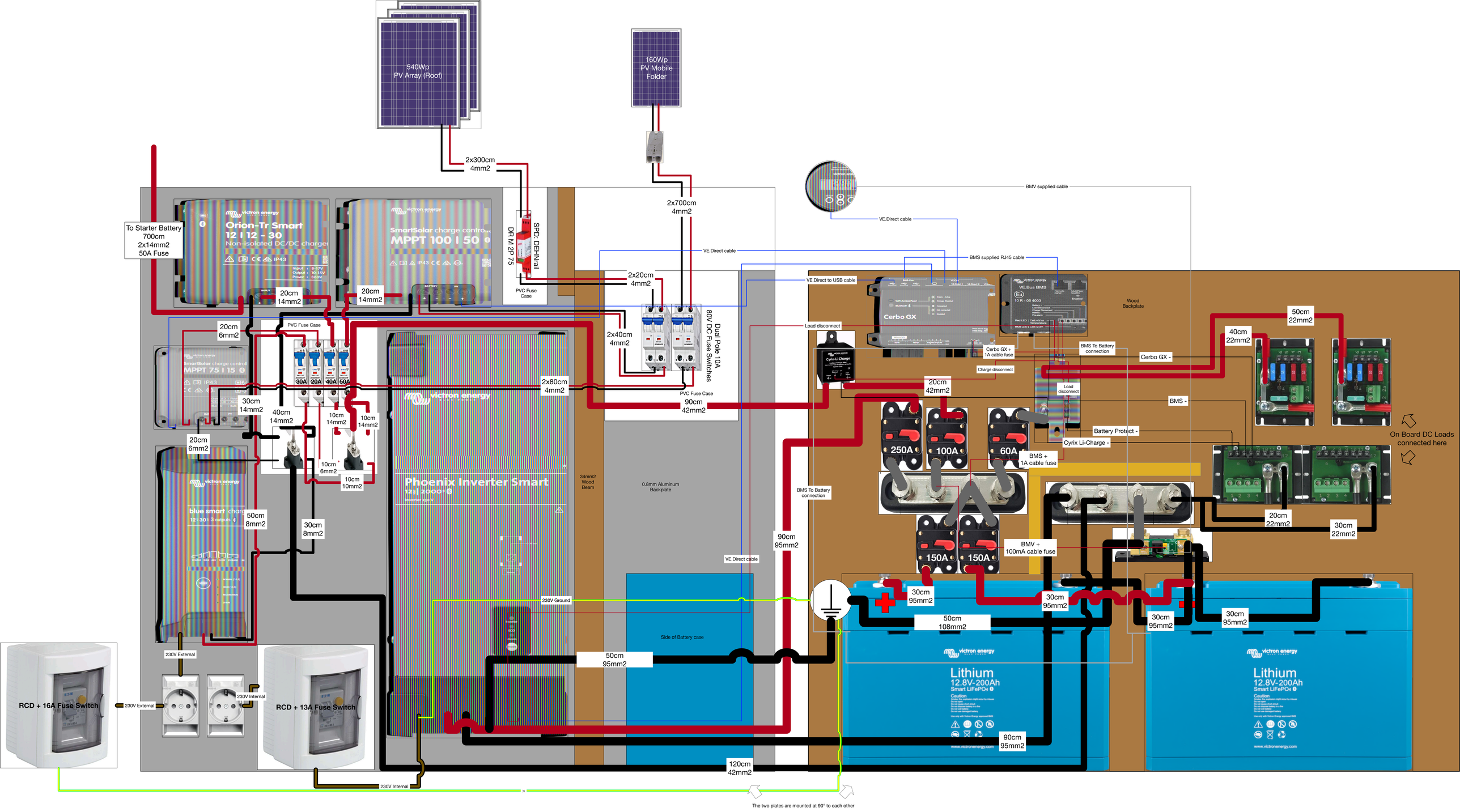
540Wp
PV Array (Roof)
160Wp
PV Mobile
Folder
2x300cm
4mm2
2x700cm
4mm2
BMV supplied cable
VE.Direct cable
To Starter Battery
700cm
2x14mm2
50A Fuse
Orion-Tr Smart
12 | 12 - 30
Non-isolated DC/DC charger
SmartSolar charge control
MPPT 100 | 50
DR M 2P 75
SPD: DEHNrail
PVC Fuse
Case
VE.Direct cable
BMS supplied RJ45 cable
VE.Direct to USB cable
2x20cm
4mm2
20cm
14mm2
20cm
14mm2
20cm
6mm2
PVC Fuse Case
2x40cm
4mm2
80V DC Fuse Switches
Dual Pole 10A
Load disconnect
Cerbo GX
VE.Bus BMS
Wood
Backplate
50cm
22mm2
40cm
22mm2
Cerbo GX +
1A cable fuse
BMS To Battery
connection
Cerbo GX -
Charge disconnect
Load
disconnect
20cm
42mm2
BMS -
Battery Protect -
Cyrix Li-Charge -
BMS +
1A cable fuse
On Board DC Loads
connected here
SmartSolar charge control
MPPT 75 | 15
30A
20A
40A
50A
2x80cm
4mm2
PVC Fuse Case
90cm
42mm2
30cm
14mm2
40cm
14mm2
10cm
14mm2
10cm
14mm2
20cm
6mm2
10cm
6mm2
10cm
10mm2
Phoenix Inverter Smart
12 | 1600 | 70
34mm2
Wood
Beam
0.8mm Aluminum
Backplate
250A
100A
60A
150A
150A
BMS To Battery
connection
90cm
95mm2
VE.Direct cable
20cm
22mm2
30cm
22mm2
BMV +
100mA cable fuse
blue smart charger
12 | 30 | 3 outputs
50cm
8mm2
30cm
8mm2
230V Ground
30cm
95mm2
30cm
95mm2
50cm
108mm2
30cm
95mm2
30cm
95mm2
Side of Battery case
50cm
95mm2
Lithium
12.8V-200Ah
Smart LiFePO4
90cm
95mm2
120cm
42mm2
230V External
RCD + 16A Fuse Switch
230V External
230V Internal
RCD + 13A Fuse Switch
230V Internal
The two plates are mounted at 90° to each other