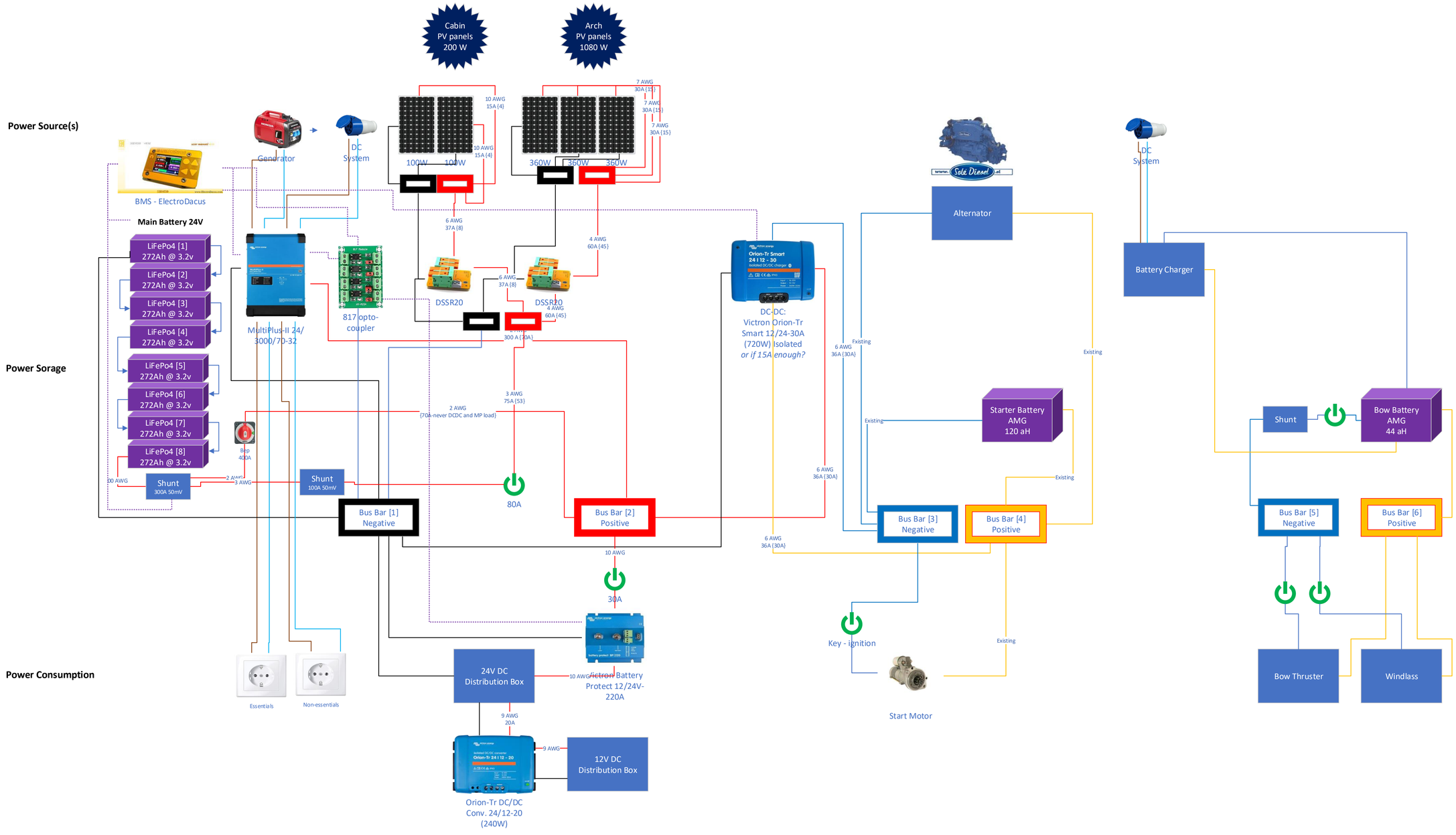
Cabin PV panels 200 W
Arch PV panels 1080 W
Power Source(s)
Power Sorage
Power Consumption
BMS - ElectroDacus
Generator
DC System
100W
100W
360W
360W
360W
10 AWG 15A (4)
7 AWG 30A (15)
6 AWG 37A (8)
4 AWG 60A (45)
Main Battery 24V
LiFePo4 [1] 272Ah @ 3.2v
LiFePo4 [2] 272Ah @ 3.2v
LiFePo4 [3] 272Ah @ 3.2v
LiFePo4 [4] 272Ah @ 3.2v
LiFePo4 [5] 272Ah @ 3.2v
LiFePo4 [6] 272Ah @ 3.2v
LiFePo4 [7] 272Ah @ 3.2v
LiFePo4 [8] 272Ah @ 3.2v
MultiPlus-II 24/ 3000/70-32
817 opto-coupler
DSSR20
DSSR20
300 A (70A)
3 AWG 75A (53)
2 AWG (70A-never DCDC and MP load)
Bep 400A
Shunt 300A 50mV
Shunt 100A 50mV
80A
Bus Bar [1] Negative
Bus Bar [2] Positive
10 AWG
30A
Victron Battery Protect 12/24V-220A
24V DC Distribution Box
9 AWG 20A
12V DC Distribution Box
Orion-Tr DC/DC Conv. 24/12-20 (240W)
Essentials
Non-essentials
DC-DC: Victron Orion-Tr Smart 12/24-30A (720W) Isolated or if 15A enough?
6 AWG 36A (30A)
Existing
Alternator
Starter Battery AMG 120 aH
Bus Bar [3] Negative
Bus Bar [4] Positive
Key - ignition
Start Motor
DC System
Battery Charger
Shunt
Bow Battery AMG 44 aH
Bus Bar [5] Negative
Bus Bar [6] Positive
Bow Thruster
Windlass