## H100 Camper - DC Schematic Panel 1 (200W) Roof gland Panel 2 (200W) 2/0 AWG (70-95 mm2) Contactor >=200A MEGA 100A GA 100A PV Isolator 60A Battery #1 Battery #2 **MPPT** DC-DC 6 AWG (13 mm2) Bus >=250A 6 AWG (13 mm2) SmartShunt 500A Clas MID nverter 12V Fuse Block Legend / Key 2/0 AWG (70-95 mm2) Contents (brand / model) Red line: DC + Batteries: Valence U27-12 (x2) Black line: DC -BMS: JK BMS 8S 2A active balancer Yellow box: Fuse/Breaker Main contactor: TE EV200 (12V coil) White box: Device Shunt: Victron SmartShunt 500A White pill: Wire gauge label MPPT: Victron SmartSolar 100/30 Grey dashed: Leader line DC-DC: Victron Orion-Tr Smart 12/12-30A Blue: PV wiring/blocks Inverter/Charger: Victron MultiPlus 12/2000 PV Isolator: DC isolator (per system spec) 12V Fuse Block: Blue Sea 5029 Bus Bars: Blue Sea 2104 / 2105 Solar: 2 x 200W panels (series)