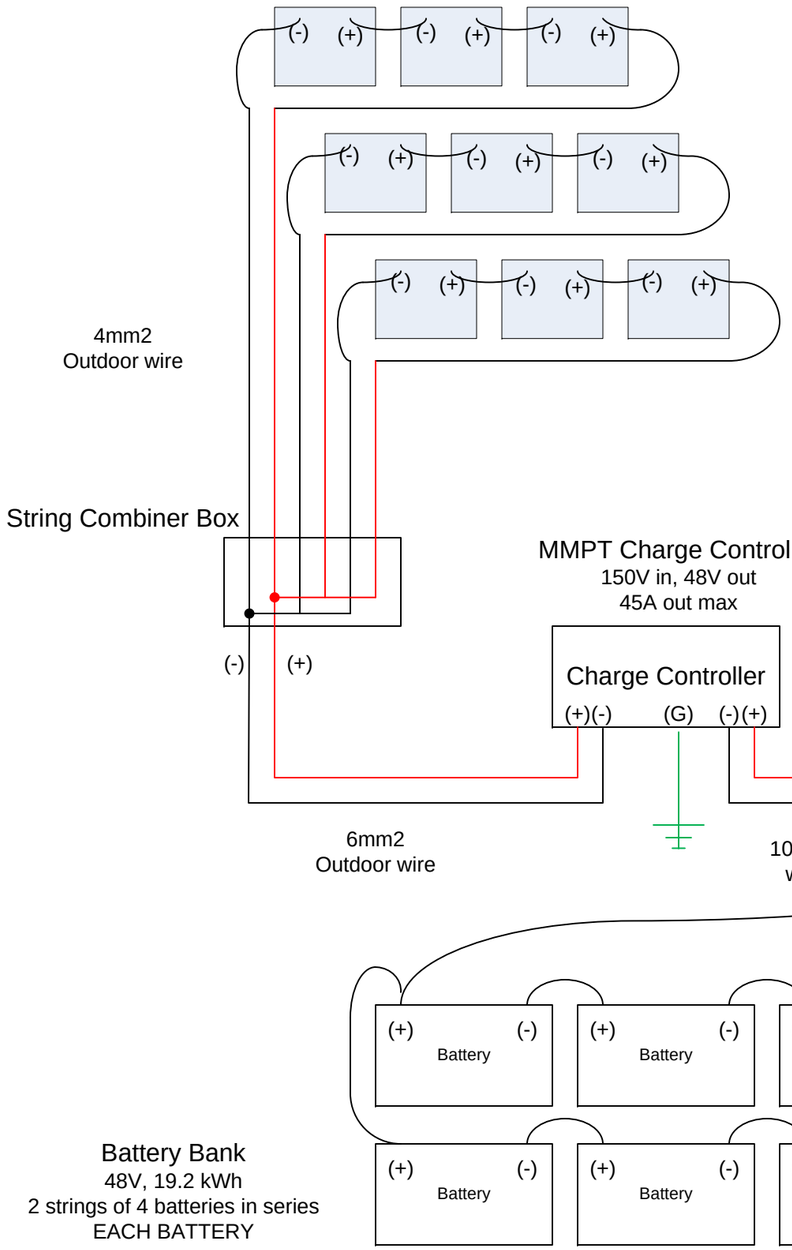


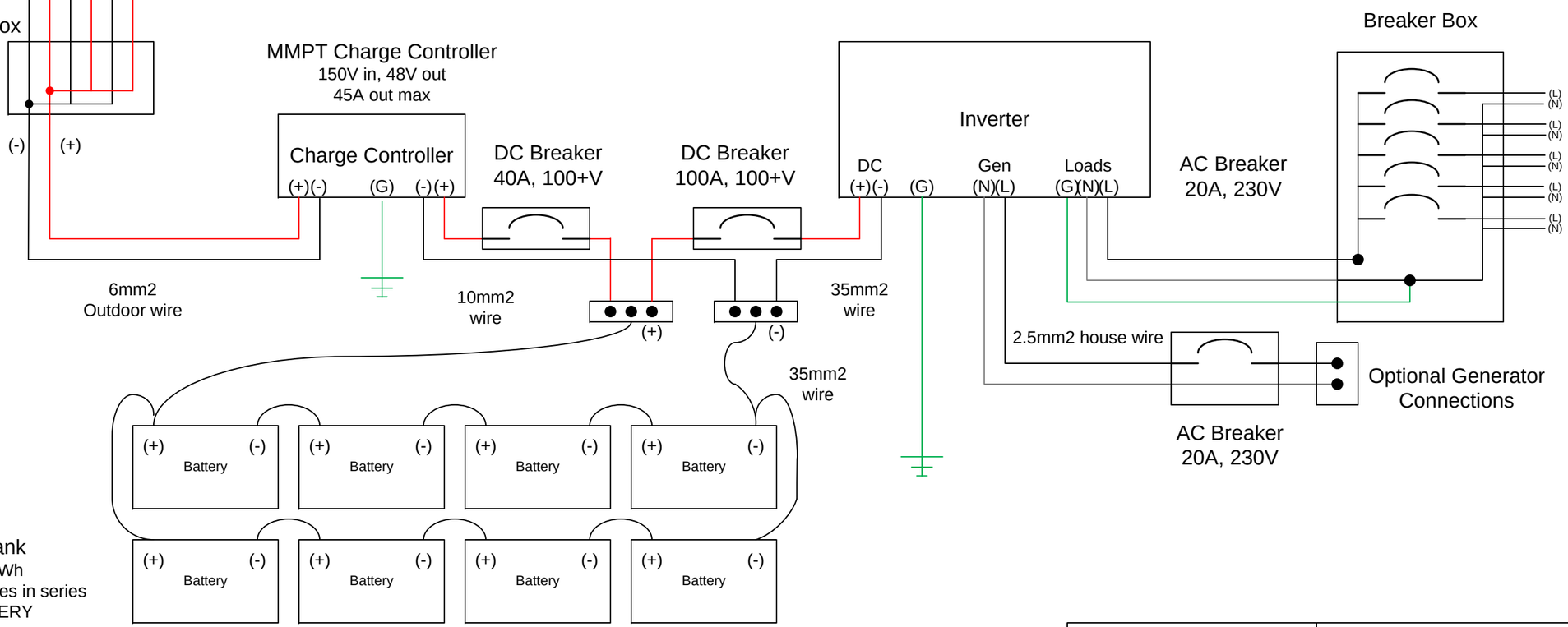
2.25 kW Solar PV Array

(9) of 250W modules (type 60 cell)
3 parallel strings of 3 modules in series
EACH MODULE
Vmp = 30V, Imp=8.2A
Vmax=40V, Imax=8.6A
For the ARRAY
Vmp = 90V, Imp=24.6A
Vmax=120V, Imax=32.3A

Note: Alternatively a type 72 cell module could be used.

Inverter Options
-Magnum MS4448
-Outback VFX3648
-COTEK SD 3500-248
-Victron Phoenix 48/5000

Charge Controller Options
-Outback Flexmax 60
-Schneider XW MPPT 60
-Morningstar TS-MPPT-45
-MidNite Solar Classic 150



Battery Bank

48V, 19.2 kWh
2 strings of 4 batteries in series
EACH BATTERY
12V, 200Ah @20hr

Rial Baai Project

Off Grid Systems

Sheet Title:
4 kW, 48Vdc Output Electrical Drawing

Project No:	SIZE	FSCM NO	DWG NO	REV
Revisions: CCB 31-Oct-14	SCALE NTS		SHEET 4 OF 6	