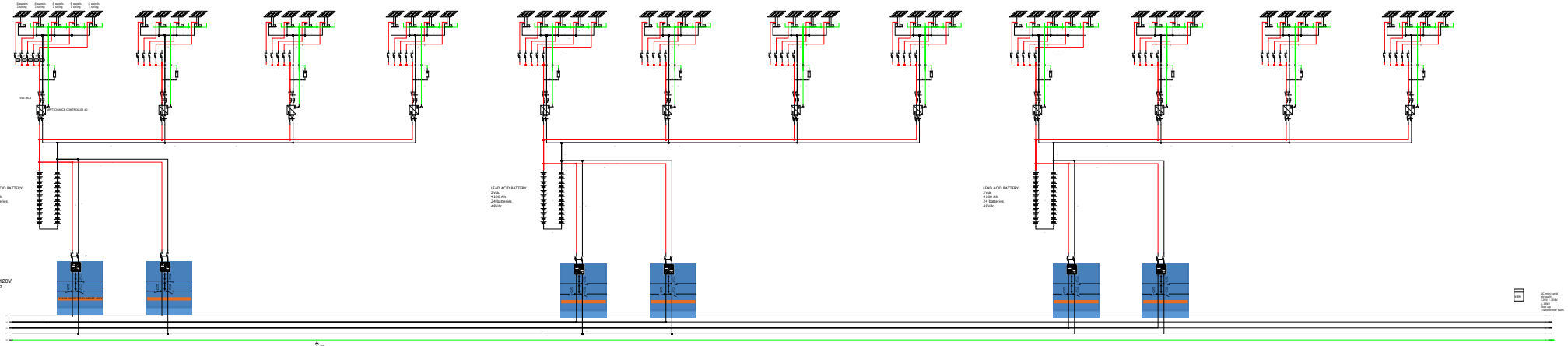
PANELS INFORMATION:
200 Panels
Pm 200 W
Vmp 36.7 V
Imp 5.45 A
Voc 44.56 V
Isc 5.89 A

COMBINER
with Lightning Arrester
Type 1 Surge protective device
Max Surge current 80kA

MPPT CHARGE CONTROLLER
Nominal Battery System Voltage 48VDC
Maximum Continuous Output Current 100A
Maximum Array 6000W
Maximum PV system Voltage 300Vdc
Charging Range (Output) 20Vdc to 67Vdc



SIX 15kVA INVERTERS
with Integrated Transfer switch
AC inputS (2x)
Input voltage range (VDC) 38 – 66V
Output Output voltage: 120V
Frequency: 60Hz

Cont. output power at 25°C (VA)	15000
Cont. output power at 25°C (W)	12000
Cont. output power at 40°C (W)	10000
Peak power (W)	25000

1 Phase System 208 / 120 Vac

Note: This is a basic diagram that does not show all the details such as
Circuit breakers, Fuses, Disconnect switches, Grounding
step up transformer bank connected to 13.8kV PV from
diesel generators
etc

Author: AB
Date: 11/11/15

ULTRA-FALALOP - 13.2kW PV SOLAR - Power Plant

Title: NRPC Solution 2
Rev: 11/15
Sheet: 5/5