

LEGEND

- Ground (GND)
- Positive (+)
- Negative (-)

Photovoltaic (PV) Array

Maximum Output:
45.78 A
17.7 Vdc

- + GND

Charge Controller

Battery PV Array

+ - + -

80 A Pole

1A Breaker

Input Output

GFP

70 Adc Breaker & Disconnect

Isolated Positive Bus

500 A fuse

Isolated Negative Bus

Battery Positive Disconnect

Battery

+ -

Earth Ground Bus

Xantrex MS3000 Inverter and Charger

AC output to main AC breaker box

Battery + -

DC GND

System Earth Ground

Pole Earth Ground

