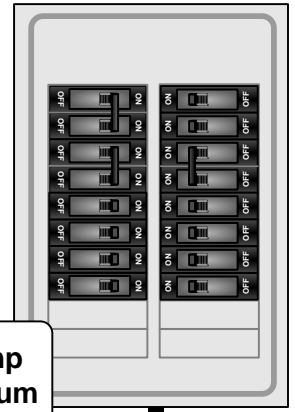
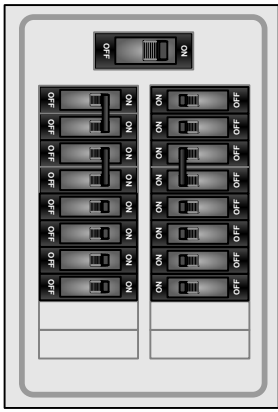


Utility or Generator
120/240VAC Output

120/240VAC
Load Panel

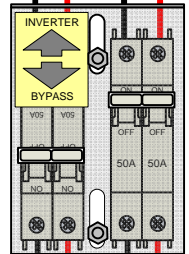
SPD300 SPD300



From E-Panel (AC In) to Inverter (AC In)

Inverter AC Input Disconnect (30A)

AC Ground
50A AC Bypass



From Inverter (AC Out) to E-Panel (AC Out)

30Amp Minimum Customer Installed Breaker

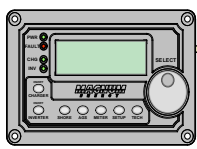
From E-Panel (AC out) to Load Center

MAGNUM ENERGY MS4024PAE Series Inverter/Charger

Optional Breakers/Disconnects (6 spaces max @ 13mm)

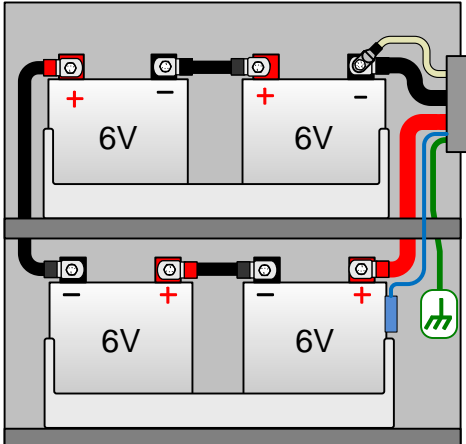
AC WIRING

Remote Control RC-50, ARC50 or Magnum Router



Battery Temperature Sensor

Battery Bank (24VDC)



DC Shunt

DC - Buss

Main Battery Shutoff 250A

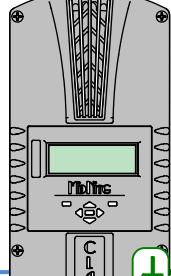
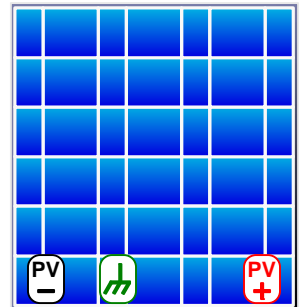
DC + Buss

DC Ground

DC WIRING

MIDNITE SOLAR Classic 150 Controller

PV Panels



PV + Buss

B + B -

PV Output MNEDC100

PV + Input MNEDC70

SPD300

Note AC and DC Grounds go to the Same BusBar, Drawn Separate for clarity