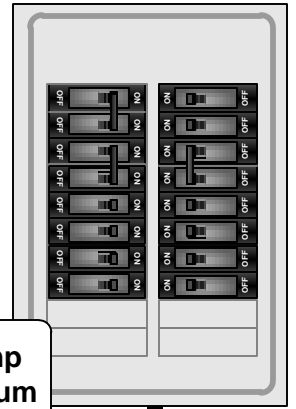
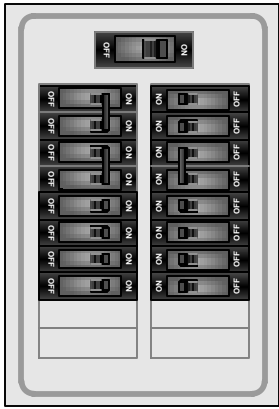


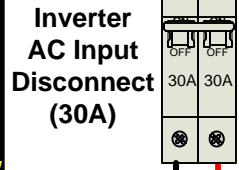
Utility or Generator
120/240VAC Output

120/240VAC
Load Panel

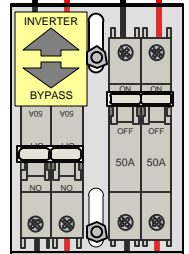
SPD300 SPD300



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



AC Ground
50A AC Bypass



30Amp Minimum Customer Installed Breaker

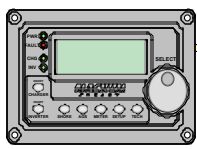
From E-Panel (AC out) to Load Center

MAGNUM ENERGY MS448PAE Series Inverter/Charger

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

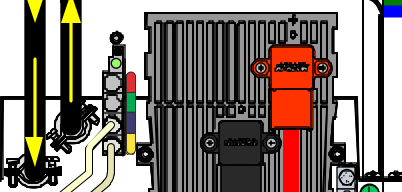
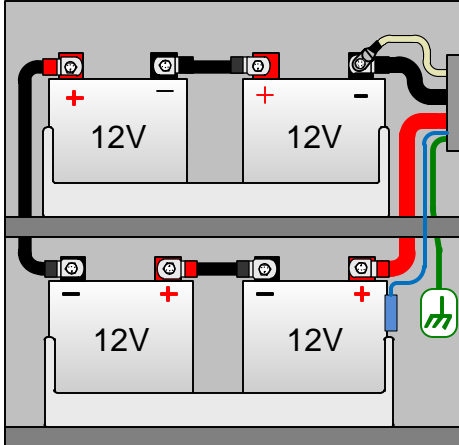
AC WIRING

Remote Control RC-50, ARC-50 or Magnum Router



Battery Temperature Sensor

Battery Bank (48VDC)



DC Shunt

Main Battery Shutoff 175A

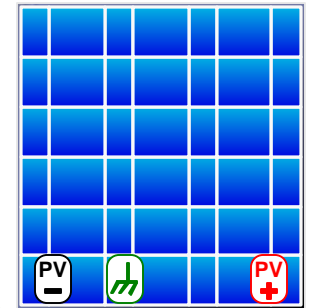
DC + Buss

DC Ground

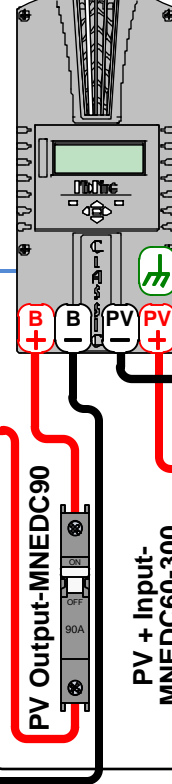
DC WIRING

MIDNITE SOLAR Classic 200 Controller

PV Panels



PV + Buss



PV Output-MNEDC90

PV + Input-MNEDC60-300

SPD300

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

REVD