

Series

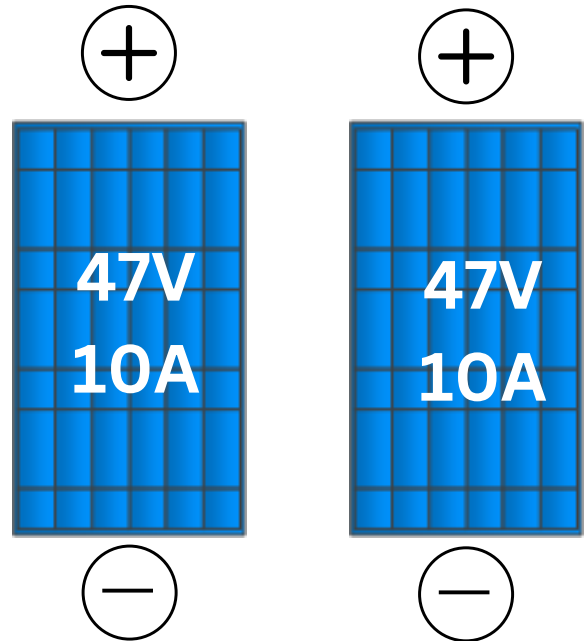
Voltage increases
Amps stay the same

Charge Controller



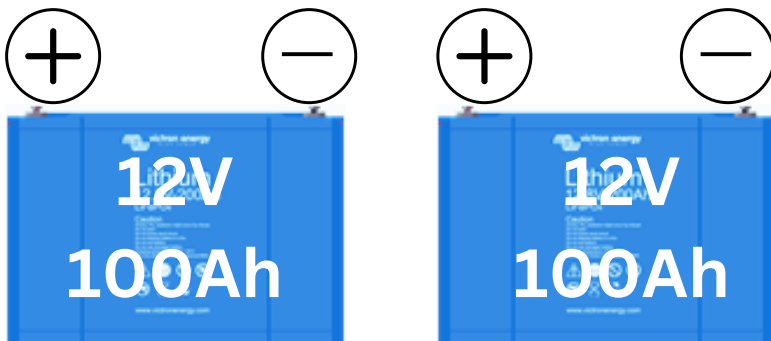
BATT (+) (-) (-) (+) PV

PV Array



Total PV Volts = _____

Total PV Amps = _____



Battery Storage

Total Battery
Volts = _____

Total Battery
Ah = _____

Parallel

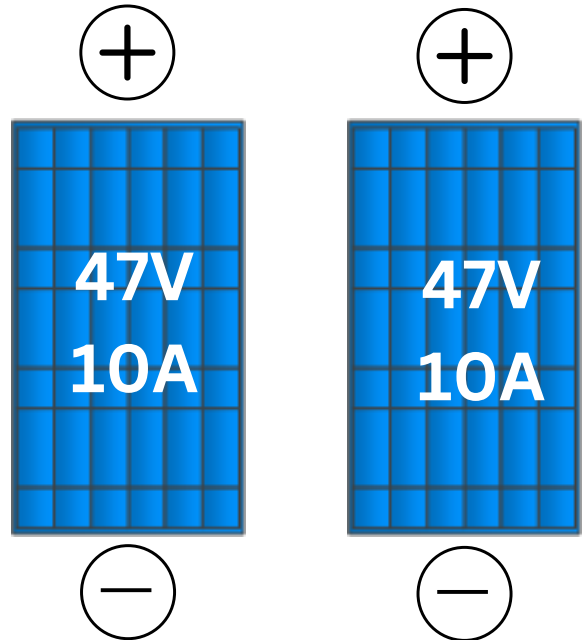
Amps increase
Volts stay the same

Charge Controller



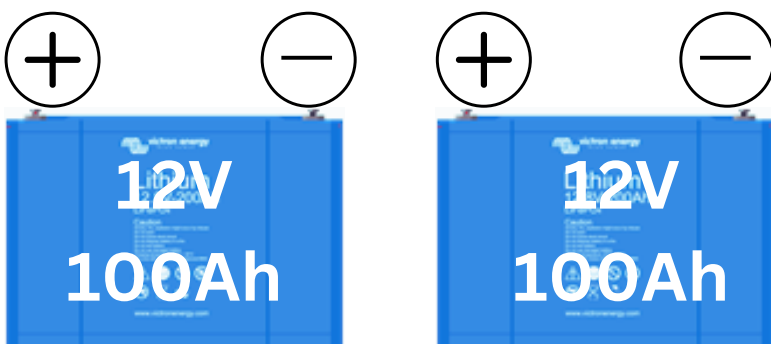
BATT (+) (-) (-) (+) PV

PV Array



Total PV Volts = _____

Total PV Amps = _____

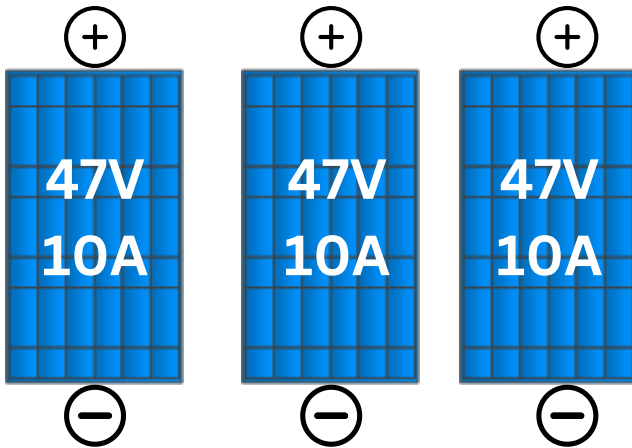
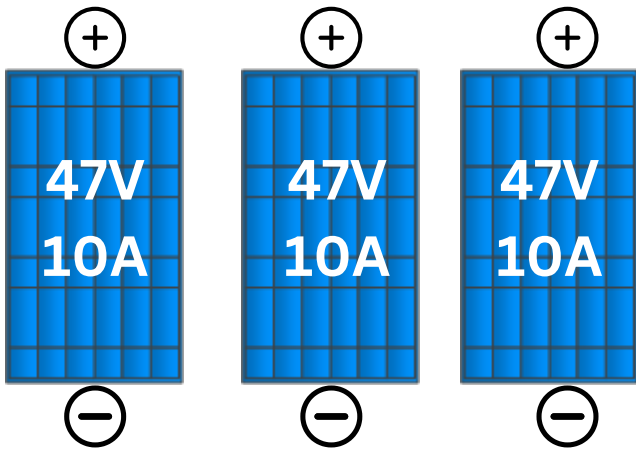


Battery Storage

Total Battery
Volts = _____

Total Battery
Ah = _____

PV Array



Series/Parallel

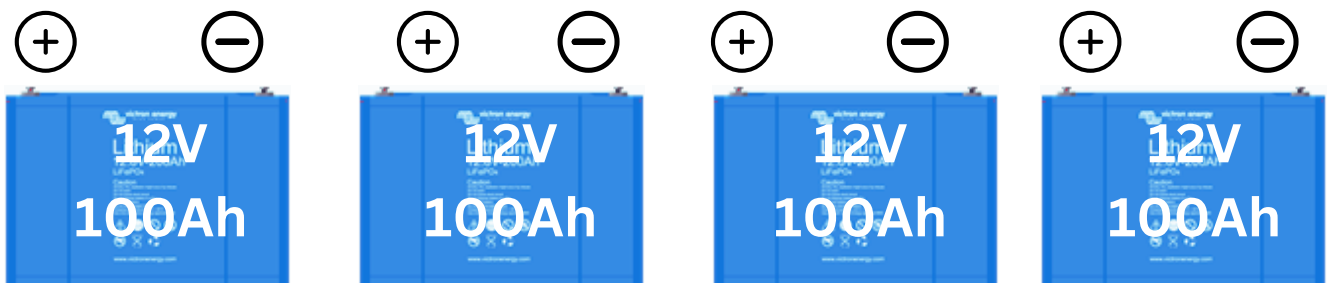


$$\text{Total PV Volts} = \underline{141}$$

$$\text{Total PV Amps} = \underline{20}$$

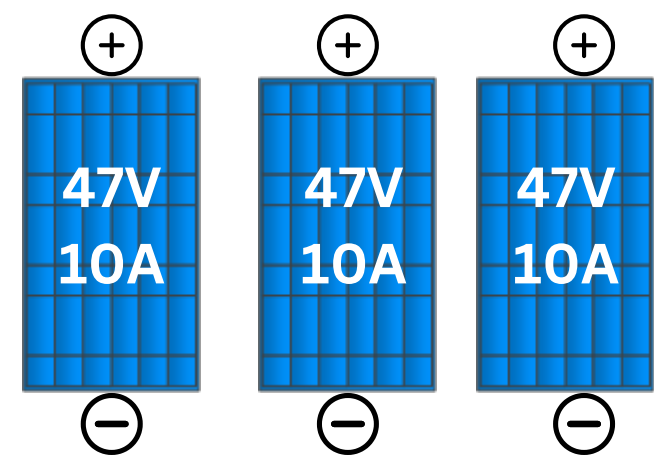
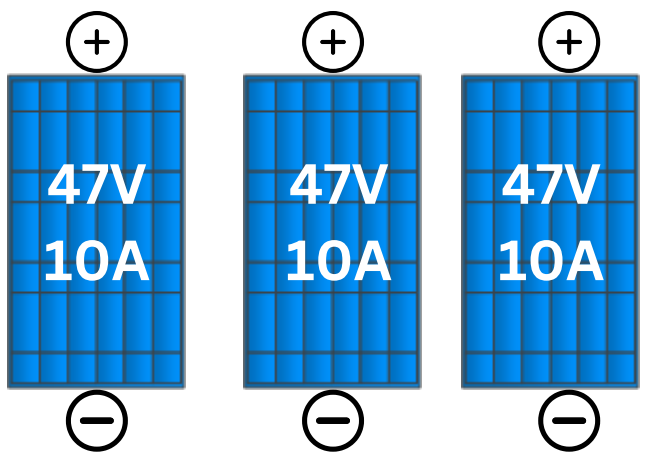
$$\text{Total Battery Volts} = \underline{24}$$

$$\text{Total Battery Ah} = \underline{200}$$



Battery Storage

PV Array



How should we wire our 48V System?

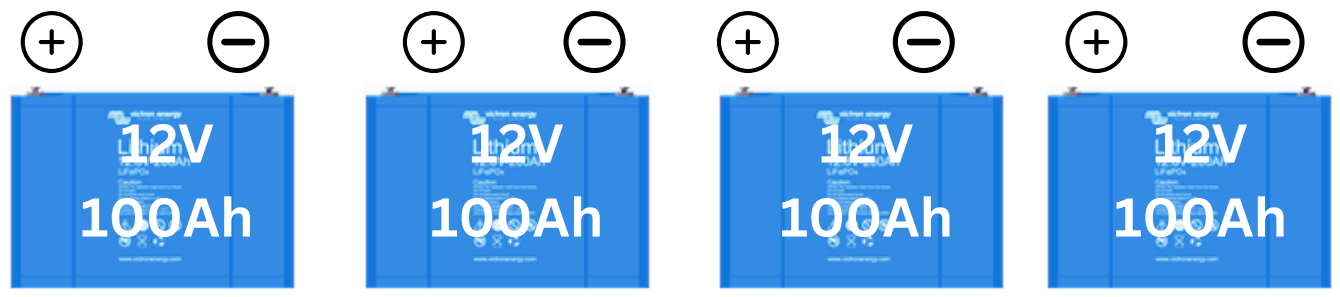


Total PV Volts = 141

Total PV Amps = 20

Total Battery Volts = 48

Total Battery Ah = 100



Battery Storage