



## SOLAR SELECTION GUIDE

For BYO Solar Panel please consider the following:

- Designed to run with a Solar Panel where the VMP (Voltage Maximum Power) is between 22-28 volts.
- Where the Solar Panel has a VMP of less than 21 volts it will not heat water. Use of the 12 volt, 2 AMP accessory port can still be used.
- Do not connect any Solar Panels that have a Voltage Open Circuit (VOC) that are above 38 volts DC. This will cause damage to the circuitry of the Copperhead Water Heater.
- Standard MC4 solar connections are needed to connect to the Copperhead Water Heater.
- 150 – 200 watts of Solar is recommended to achieve best efficiencies of the Copperhead Water Heater.
- Do not connect the Copperhead Water Heater to any charging regulators. Most camping solar panels come with a battery charger or regulator. This needs to be removed from the electrical circuit.
- The copperhead Water Heater can be connected to a 24v battery system. The heater will not operate below 23 volts.