



1. Solar PV - Converts sunlight into DC electricity

Array

Module/Panel

Combiner Box

DC (PV) Disconnect

2. Combines multiple lines of solar DC current into one & adds surge protection.

3. Shuts off the circuit for maintenance.



Solar PV can be set-up any place there is sunlight

Off Grid Solar PV

AC Breaker Panel

AC Disconnect

Inverter

DC Breaker Panel

Battery Bank Fuse Disconnect

DC - Direct Current
AC - Alternating Current

9. Acts as a switch and overcurrent disconnect

8. Shuts off the circuit for maintenance.

7. Converts DC power to AC power.

6. Acts as a switch and overcurrent disconnect.

4. Shuts off the circuit for maintenance.

Battery Bank

5. Stores energy for times when sunlight is unavailable (rainy days / nighttime)

To Household Loads