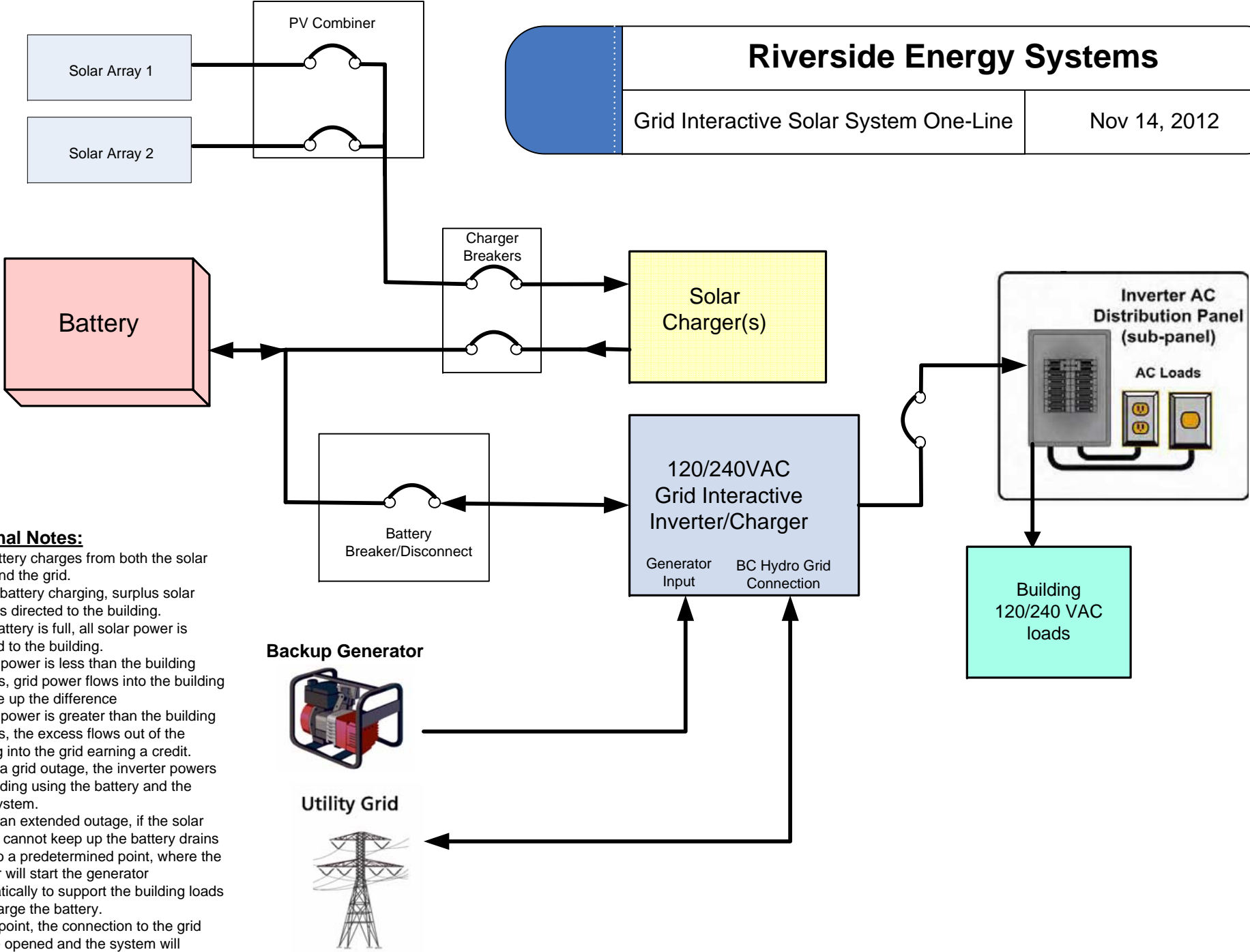


Riverside Energy Systems

Grid Interactive Solar System One-Line

Nov 14, 2012



Operational Notes:

- The battery charges from both the solar array and the grid.
- During battery charging, surplus solar power is directed to the building.
- If the battery is full, all solar power is directed to the building.
- If solar power is less than the building requires, grid power flows into the building to make up the difference
- If solar power is greater than the building requires, the excess flows out of the building into the grid earning a credit.
- During a grid outage, the inverter powers the building using the battery and the solar system.
- During an extended outage, if the solar system cannot keep up the battery drains down to a predetermined point, where the inverter will start the generator automatically to support the building loads and charge the battery.
- At any point, the connection to the grid may be opened and the system will operate in a completely off-grid mode.