

California Solar Incentive Program

Typical Solar Power System

Solar panel: Many small solar cells added together to generate Direct Current (DC). Combine multiple panels to generate desired voltage.

Solar cells

Solar array or panel string

Inverter

Production meter

1. **Service meter** (bi-directional)
2. **Production meter**
3. **Inverter** Converts DC from panels to Alternating Current (AC) for connection to grid
4. **Other loads on main panel**
5. **Back fed breaker** Normal circuit breaker accepts generation

Pacific Power bi-directional service meter

Circuit breaker panel

AC disconnect switch (when required)

"Back-fed" breaker

DC

AC

