



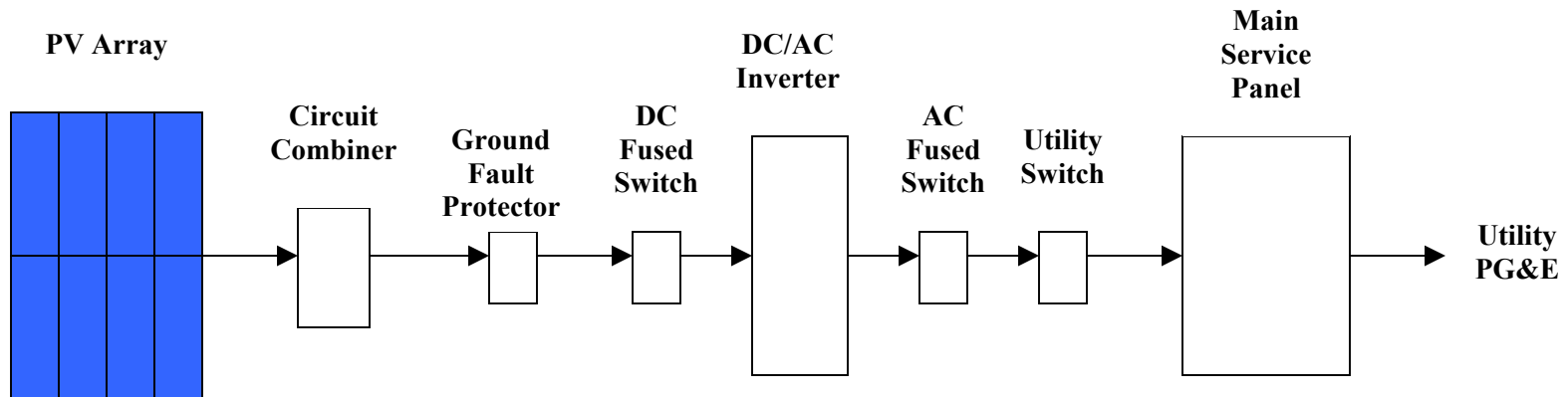
**Requirements for PV System Permit
(Grid-Tied PV System Only)**

1. Address of PV system. _____
2. Permit Number: _____
3. Wire from array to combiner.
 - Size _____ (minimum #10 copper)
 - Type _____ (recommend USE-2)
 - Length _____
4. Wire from combiner to inverter.
 - Size _____ (minimum #6 copper)
 - Type _____
 - Length _____
5. Size of conduit _____
6. Provide a copy of the label from the back of the module or information showing listing from the manufacture.
This label must show,
 - Watts - Volts - Fuse Size
7. Size of DC Disconnect and Ground-Fault Protection before Inverter. _____
8. Size of wire from Inverter to Main breaker box. _____
9. Length of wire from Inverter to Main breaker box. _____
10. Size of Disconnect @ Main breaker box. _____
11. Size of Main Breaker box. _____
12. Size of Array Grounding Conductor. _____
13. Provide a site drawing showing the location of the main system components – PV Array, conduit runs, electrical boxes, inverter enclosure, critical load subpanel, utility disconnect, main service panel, and utility service entrance. (See EX-2 attached)
14. Provide a one-line diagram showing all significant electrical components, i.e. wire sizes, types. (See EX-1 and EX-5 attached)
15. How is the Array to be secured to the roof i.e. directly to roof, raised Array parallel to roof, raised Array with greater pitch than roof? If system is not a packaged system, you must provide wind load calculations for a minimum of 80 mph.
16. **I understand if the PV system does not conform to the approved plans, I will have to submit an as-built set of plans to the Building Division for plan check.**

Signed _____

NOTE: A permit will not be issued until this form is completed in full.

Example – Grid-Tied PV System



Notes:

1. PV Array contains five 48-Volt DC series strings of 100-Watt Modules (20-modules).
2. PV Array Circuit Combiner contains 15-amp fuses rated at 125 Vdc.
3. DC Fused Switch rated at 60-amp, 240 Vdc (my be circuit breaker)
4. DC/AC Inverter rated at 2kW AC output at 240-Volts and is Listed to UL-1741 “Utility-Interactive”.
5. AC Fused Switch rated at 30-amps, 240 Vac (my be circuit breaker)
6. Utility Switch is visible open, lockable in open position, 240-Vac 60-amp switch.
7. 100-Amp Main Service panel with 20-amp two-pole Circuit Breaker for Interactive Point of connection (up to 3.5 kW, 240-Volt inverter)
8. Equipment ground equivalent to PV array conductor size on DC-side of system.
9. Equipment ground according to NEC Table 250-122 on AC-side.
10. Negative pole of PV array referenced to ground at the Inverter.
11. All grounds connected to main service ground in Main Service Panel.

Drawn by: _____

Date: _____

Scale: N/A

EX-1

Example – Site Drawing

P/L

