



**EXPRESS PERMIT INFORMATION SHEET
FOR PHOTOVOLTAIC INSTALLATIONS IN
1 & 2 FAMILY DWELLINGS**
(Use E_{PC} Application for **Electrical Plan Check**)

PROJECT ADDRESS	City	Zip Code
PCIS #: _____ - _____ - _____		

Are all of the following conditions applicable to the photovoltaic installation?

- | | | |
|--|------------------------------|--|
| 1. The installation is in a one or two-family dwelling. | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| 2. Maximum of two source circuits (strings) are installed. | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| 3. The total capacity of the photovoltaic system being installed is: | | |
| A. Maximum 3 KW for ungrounded inverters or approved* microinverters, or | N/A <input type="checkbox"/> | No <input type="checkbox"/> Yes <input type="checkbox"/> |
| B. Maximum 10 KW for all others. | N/A <input type="checkbox"/> | No <input type="checkbox"/> Yes <input type="checkbox"/> |

**NOTE: For condition 3 above, Only one response is required as follows:
If A is N/A then respond to B. If B is N/A then respond to A.**

- | | | |
|---|-----------------------------|------------------------------|
| 4. No DC combiner box is installed (other than the box that is part of and is listed with the inverter). | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| 5. No GFCI or AFCI overcurrent devices are installed in the Alternate current (AC) output of the inverter. | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| 6. Modules shall be roof-mounted crystalline or multi-crystalline material. | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| 7. AC Power system shall be 120/240 volts single phase. | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| 8. The minimum service panel size shall meet one of the following: | | |
| • 100 amps for systems with a maximum 20 amperes dedicated AC branch circuit, or | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| • 150 amps for systems having a maximum 30 (or two 15) amperes dedicated AC branch circuit(s), or | | |
| • 200 amps for systems having a maximum 40 (or two 20) amperes dedicated AC branch circuit(s). | | |
| 9. The rating of the service panel shall not exceed 225 amperes. | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| 10. No AC modules, storage batteries, hybrid systems, building integrated photovoltaic, or photovoltaic roll roofing are installed. | No <input type="checkbox"/> | Yes <input type="checkbox"/> |

If the response to any of the above questions is “no”, plan check is required for the requested permit.

* For a list of Approved microinverters please refer to “electrical products” under “Electrical Research Report” at LADBS web site (<http://ladbs.org/LADBSWeb/electrical-test-lab.jsf>)

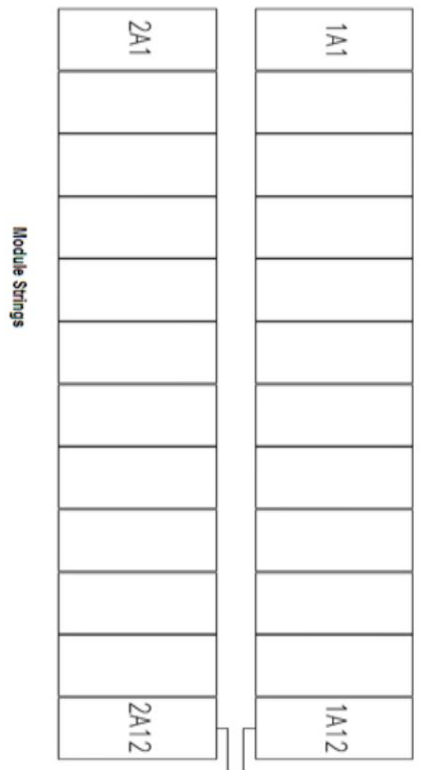
Please provide the following information before calling for inspection, and make sure this form is presented to the field inspector:

1. Conductor Information
 - a. Size of conductors: _____
 - b. Size of associated conduit: _____
2. Electrical Rating of:
 - a. Inverter: _____
 - b. Module: _____
 - c. Disconnect: _____
 - d. Main Service: _____

Upon issuance of permit, this form along with the permit shall be presented to the inspector in the field.

ELECTRICAL SCHEMATIC

(SAMPLE - For Reference Only)



Module Strings

DC DISCONNECT

INVERTER
MODEL NAME

INVERTER RATING(S): _____ kW

3/4" CONDUIT
(2) #8 AWG, BK, R
(1) #8 GND
(EXAMPLE ONLY)

AC DISCONNECT

3/4" CONDUIT
(2) #10 AWG, BK, R/W
(1) #8 GND
(EXAMPLE ONLY)

MAIN PANEL

- GENERAL NOTES**
1. BOND PV SYSTEM TO SERVICE GROUNDING SYSTEM.
 2. GROUND THE MODULES FRAMES, MODULE METAL SUPPORTS, EQUIPMENT, CONDUCTOR ENCLOSURES, OR ANY EXPOSED NON-CURRENT CARRYING METAL PARTS OF THE SYSTEM.
 3. ELECTRICAL INSTALLATION SHALL BE IN COMPLIANCE WITH THE 2011 LOS ANGELES ELECTRICAL CODE.

CONDUCTOR DESIGNATION BY CONDITION

CONDITION	ALLOWABLE CONDUCTOR TYPE(S)
FREE-AIR	USE -2/RHH/RHW-2
RACEWAY	THHN-2 OR XHHW-2 OR RHH/RHW-2
ROOF-TOP	THHN OR THHN OR XHHW*
RACEWAY OR CABLE INDOORS OR SHADED	THHN OR THHN OR XHHW*
RACEWAY UNDERGROUND	THHN OR THHN OR XHHW*

* MAY SUBSTITUTE "-2" RATED CONDUCTORS

AC DISCONNECT
(IF USED)

UTILITY METER
(IF USED)

CUSTOMER NAME: _____

JOB ADDRESS: _____

DRAWN BY	CHECKED BY
SCALE	DATE DRAWN
COMPANY LOGO:	COMPANY NAME & ADDRESS: