

LABELING NOTES

1.1 LABELING REQUIREMENTS BASED ON THE 2017 NATIONAL ELECTRICAL CODE, INTERNATIONAL FIRE CODE 605.11, OSHA STANDARD 1910.145, ANSI Z535


1.2 MATERIAL BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

1.3 LABELS TO BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

1.4 LABELS TO BE A MINIMUM LETTER HEIGHT OF 3/8" AND PERMANENTLY AFFIXED.

1.5 ALERTING WORDS TO BE COLOR CODED. "DANGER" WILL HAVE RED BACKGROUND; "WARNING" WILL HAVE ORANGE BACKGROUND; "CAUTION" WILL HAVE YELLOW BACKGROUND. [ANSI Z535]

1.6 ALL SIGNAGE MUST BE PERMANENTLY ATTACHED AND BE WEATHER RESISTANT/SUNLIGHT RESISTANT AND CANNOT BE HAND-WRITTEN PER NEC 110.21(B)




**WARNING**

ELECTRICAL SHOCK HAZARD

TERMINALS ON THE LINE AND  
LOAD SIDES MAY BE ENERGIZED  
IN THE OPEN POSITION

**LABEL 1**  
AT EACH DISCONNECTING MEANS FOR PHOTOVOLTAIC EQUIPMENT (2" X 4").  
[NEC 690.13].

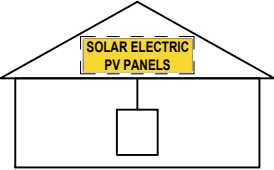


**WARNING**

POWER SOURCE  
OUTPUT CONNECTION  
DO NOT RELOCATE THIS  
OVERCURRENT DEVICE

**LABEL 2**  
AT POINT OF INTERCONNECTION  
OVERCURRENT DEVICE (2" X 4").  
[NEC 705.12(B)(2)(3)(B)].

**SOLAR PV SYSTEM  
EQUIPPED WITH  
RAPID SHUTDOWN**



TURN RAPID SHUTDOWN switch TO THE  
"OFF" POSITION TO SHUT DOWN PV  
SYSTEM AND REDUCE SHOCK HAZARD  
IN ARRAY

**LABEL 3**  
AT RAPID SHUTDOWN SYSTEM  
(3 3/4" X 5 1/4"). [NEC 690.56(C)(1)(A)].

**WARNING: PHOTOVOLTAIC  
POWER SOURCE**

**LABEL 4**  
AT EXPOSED RACEWAYS, CABLE TRAYS, AND OTHER WIRING METHODS; SPACED AT MAXIMUM 10 FT SECTION OR WHERE SEPARATED BY ENCLOSURES, WALLS, PARTITIONS, CEILINGS, OR FLOORS (5 3/4" X 1 1/8").  
[NEC 690.31(G)]  
LETTERS AT LEAST 3/8 INCH; WHITE ON RED BACKGROUND; REFLECTIVE  
[IFC 605.11.1.1]

**RAPID SHUTDOWN  
SWITCH FOR  
SOLAR PV SYSTEM**


**LABEL 5**  
AT RAPID SHUTDOWN DISCONNECT SWITCH (5 1/4" X 2").  
[NEC 690.56(C)(3)].



**CAUTION**

**SOLAR ELECTRIC SYSTEM CONNECTED**

**LABEL 6**  
AT UTILITY METER (5 3/4" X 1 1/8")  
[NEC 690.56(B)]




**WARNING**

DUAL POWER SUPPLY

SOURCES: UTILITY GRID  
AND PV SOLAR  
ELECTRIC SYSTEM

**LABEL 7**  
AT POINT OF INTERCONNECTION  
(2 3/4" X 1 5/8").  
[NEC 705.12(B)(3)]



**WARNING**

SOLAR ELECTRIC  
CIRCUIT BREAKER  
IS BACKFED

**LABEL 8**  
AT POINT OF INTERCONNECTION  
(2" X 1").  
[NEC 705.12(B)(3)]

INTERACTIVE PHOTOVOLTAIC SYSTEM CONNECTED  
PHOTOVOLTAIC SYSTEM DISCONNECT LOCATED  
SW SIDE OF THE HOUSE


**DIRECTORY**  
PERMANENT PLAQUE OR DIRECTORY PROVIDING THE LOCATION OF THE SERVICE DISCONNECTING MEANS AND THE PHOTOVOLTAIC SYSTEM DISCONNECTING MEANS IF NOT IN THE SAME LOCATION (5 3/4" X 1 1/8").  
[NEC 690.56(B)]  
WHERE THE PV SYSTEMS ARE REMOTELY LOCATED FROM EACH OTHER, A DIRECTORY IN ACCORDANCE WITH 705.10 SHALL BE PROVIDED AT EACH PV SYSTEM DISCONNECTING MEANS.  
PV SYSTEM EQUIPMENT AND DISCONNECTING MEANS SHALL NOT BE INSTALLED IN BATHROOMS  
[NEC 690.4(D),(E)]

**PHOTOVOLTAIC SOLAR  
AC DISCONNECT**


**LABEL 9**  
AT EACH AC DISCONNECTING MEANS  
(4" X 1").  
[NEC 690.13(B)].

**PHOTOVOLTAIC SOLAR  
DC DISCONNECT**

**LABEL 10**  
AT EACH DC DISCONNECTING MEANS  
(4" X 1").  
[NEC 690.13(B)].




**PHOTOVOLTAIC SYSTEM  
AC DISCONNECT**




RATED AC OUTPUT CURRENT  $\frac{P_{VSM}}{V}$  A  
NOMINAL OPERATING AC VOLTAGE  $\frac{V_{SV}}{V}$

**LABEL 11**  
AT POINT OF INTERCONNECTION, MARKED  
AT DISCONNECTING MEANS (4" X 2").  
[NEC 690.54]




**DIRECT CURRENT  
PHOTOVOLTAIC POWER SOURCE**




MAXIMUM VOLTAGE:  $\frac{V_{VDC}}{V}$  DC  
MAXIMUM CIRCUIT CURRENT:  $\frac{I_{VDC}}{A}$  DC  
  
MAX RATED OUTPUT CURRENT OF  
THE CHARGE CONTROLLER  
OR DC-TO-DC CONVERTER  $\frac{I_{SCDC}}{A}$  DC

**LABEL 12 (INVERTER #1)**  
AT EACH DC DISCONNECTING  
MEANS (3" X 4").  
[NEC 690.53].



**DIRECT CURRENT  
PHOTOVOLTAIC POWER SOURCE**



MAXIMUM VOLTAGE:  $\frac{V_{VDC}}{V}$  DC  
MAXIMUM CIRCUIT CURRENT:  $\frac{I_{VDC}}{A}$  DC  
  
MAX RATED OUTPUT CURRENT OF  
THE CHARGE CONTROLLER  
OR DC-TO-DC CONVERTER  $\frac{I_{SCDC}}{A}$  DC

**LABEL 13 (INVERTER #2)**  
AT EACH DC DISCONNECTING  
MEANS (3" X 4").  
[NEC 690.53].