





SANTA CLARA COUNTY BUILDING INSPECTION OFFICE, PHOTOVOLTAIC SIGNAGE REQUIREMENTS
 SIGNS SHALL BE METAL OR PLASTIC, WEATHERPROOF AND SUITABLE FOR THE ENVIRONMENT THEY ARE INSTALLED
 LETTERING SHALL BE ENGRAVED WITH A MINIMUM LETTER HEIGHT OF 3/8" PERMANENTLY AFFIXED.

EQUIPMENT	CODE	APPROPRIATE SIGNAGE OR REQUIRED LABELING	NOTES
<p align="center">MAIN SERVICE (Always)</p>	<p align="center">705.12 (D)-(4)</p>		<p>To be applied to main service, and panels containing overcurrent devices supplying power to busbars that are supplied from multiple sources.</p>
<p align="center">MAIN SERVICE (Conditional)</p>	<p align="center">705.12-(D)-(7)</p>		<p>To be applied to main service or panel at point of connection when overcurrent devices exceed 100% of bus rating and breaker is required to be located at opposite end of bus from utility main.</p>
<p align="center">MAIN SERVICE (Conditional)</p>	<p align="center">690.56-(B) 705.10</p>		<p>To be applied at exterior of building in readily visible location. This directory needs to be installed when utility service disconnect and PV system disconnect are not in the same location. Must also be at the location of the photovoltaic system disconnecting means. Systems with micro inverters should have this signage.</p>
<p align="center">MAIN SERVICE (Conditional)</p>	<p align="center">690.54</p>		<p>To be applied at main service when the PV breaker serves as A/C disconnect, also at the A/C disconnect and/or point of interconnect between photovoltaic system and utility as applicable.</p>

<p>A/C DISCONNECT MEANS (Always)</p>	<p>690.54</p>	<p style="text-align: center;">PHOTOVOLTAIC SYSTEM A/C DISCONNECT RATED A/C OUTPUT CURRENT xx AMPS NOMINAL A/C OPERATING VOLTAGE xx VOLTS</p>	<p>To be applied at A/C disconnect and/or point of interconnect between photovoltaic system and utility as applicable. The A/C disconnect must be located adjacent to the inverter.</p>
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<p>A/C DISCONNECT AND D/C DISCONNECT (Always)</p>	<p>690.14-(C)-(2)</p>	<p style="text-align: center;">PHOTOVOLTAIC SYSTEM DISCONNECT</p>	<p>To be applied at all PV disconnect means, including breakers and other OCPD's used as PV disconnects.</p>
<p>D/C DISCONNECT MEANS (Always)</p>	<p>690.53</p>	<p style="text-align: center;">RATED MAXIMUM POWER POINT CURRENT xx ADC RATED MAXIMUM POWER POINT VOLTAGE xx VDC MAXIMUM SYSTEM VOLTAGE xx VDC SHORT CIRCUIT CURRENT xx ADC MAXIMUM RATED OUTPUT CURRENT OF CHARGE CONTROLLER IF ONE IS INSTALLED xx ADC</p>	<p>To be applied to the D/C disconnect. The D/C disconnect must be located adjacent to the inverter.</p>

<p>D/C DISCONNECT MEANS (Always)</p>	<p>690.17</p>	<p style="text-align: center;">WARNING ELECTRIC SHOCK HAZARD DO NOT TOUCH TERMINALS. TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION.</p>	<p>To be applied to the D/C disconnect, and any switch or breaker where all terminals of the disconnecting means may be energized in the open position. Typically, just the D/C disconnect.</p>
<p>INVERTER (Almost always)</p>	<p>690.5-(C)</p>	<p style="text-align: center;">WARNING ELECTRIC SHOCK HAZARD IF GROUND FAULT IS INDICATED, NORMALLY GROUNDED CONDUCTORS MAY BE UNGROUNDED AND ENERGIZED</p>	<p>To be applied at the inverter (typically) or near the location of the ground fault indicator if ground fault indicator is not at the inverter (very rare condition). Also, must be applied at battery location, if the system includes batteries.</p>
<p>BATTERIES (Always)</p>	<p>690.5-(C)</p>	<p style="text-align: center;">WARNING ELECTRIC SHOCK HAZARD IF GROUND FAULT IS INDICATED, NORMALLY GROUNDED CONDUCTORS MAY BE UNGROUNDED AND ENERGIZED</p>	<p>To be applied at the battery location, if the system includes batteries</p>
<p>BATTERIES (Always)</p>	<p>690.55</p>	<p style="text-align: center;">PHOTOVOLTAIC SYSEM STORAGE MAXIMUM OPERATING VOLTAGE xx VDC EQUALIZATION VOLTAGE xx VDC POLARITY OF GROUNDED CONDUCTOR NEG</p>	<p>To be applied to Photovoltaic power systems employing energy storage (Batteries).</p>
<p>STAND ALONE SYSTEMS (Always)</p>	<p>690.56-(A)</p>	<p style="text-align: center;">INSTALL A PERMANENT PLAQUE OR DIRECTORY PROVIDING THE LOCATION OF THE SERVICE DISCONNECTING MEANS AND PHOTOVOLTAIC SYSTEM DISCONNECTING MEANS AND INDICATE THE STRUCTURE CONTAINS A STAND ALONE ELECTRICAL POWER SYSTEM</p>	<p>To be applied at the exterior of the building in a readily visible location acceptable to the AHJ. Typically at the main panel.</p>

<p>120 VOLT SYSTEMS (Always)</p>	<p>690.10-(C)</p>	<p style="text-align: center; color: white; background-color: red; padding: 10px;"> WARNING 120-VOLT SUPPLY. DO NOT CONNECT MULTIWIRE BRANCH CIRCUITS </p>	<p>To be applied at all service distribution equipment when a single 120-volt system is connected. There are additional requirements and conditions, refer to code section. Also needs to be applied to stand alone 120-volt systems.</p>
<p>UNGROUND ED SYSTEMS (Always)</p>	<p>690.35-(F)</p>	<p style="text-align: center; color: white; background-color: red; padding: 10px;"> WARNING ELECTRIC SHOCK HAZARD. THE D/C CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED </p>	<p>To be applied at each junction box, combiner box, disconnect, and device, where energized, ungrounded circuits may be exposed during service. FYI, the inverters or charge controllers used in systems with “ungrounded” photovoltaic source and output circuits shall be listed for the purpose.</p>
<p>MODULES (Always)</p>	<p>690.51</p>	<p style="text-align: center; border: 1px solid black; padding: 10px;"> OPEN-CIRCUIT VOLTAGE OPERATING VOLTAGE MAXIMUM PERMISSIBLE SYSTEM VOLTAGE OPERATING CURRENT SHORT-CIRCUIT CURRENT MAXIMUM POWER </p>	<p>To be applied by the module manufacturer to each module. Modules shall be marked to indicate terminal leads as to polarity, maximum over-current device rating as well as all of the information shown in the signage box to the left, this is not red and white because this is a manufacturer label.</p>

Signage shown in white and black are more instructional; signage in red and white are actual sign verbiage.