





**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.

***RESIDENTIAL SYSTEMS WITH STRING INVERTERS AND NO BATTERIES***

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>
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<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>
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<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>
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<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>UNGROUNDED SYSTEMS (Always when ungrounded Inverters are used)</p>	<p>690.35-(F)</p>	<p style="text-align: center;">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>

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