



1/11/2012

PHOTOVOLTAIC LABELING REQUIREMENTS

Label Requirements:

- Labels shall be made permanent and shall not discolor or be subject to deterioration from exterior / weather conditions
- Labels shall be phenolic where exposed to sunlight
- Hand-written marker pen labeling will not be allowed
- Labels shall have white lettering against a red background
- Lettering must be at least 3/8" in height, Arial font and not bold

Required Locations:

CEC Article	Required Location for Label	Wording
690.5(c)	Utility-interactive inverter, battery enclosure	"WARNING: ELECTRIC SHOCK HAZARD IF A GROUND FAULT IS INDICATED, NORMALLY GROUNDED CONDUCTORS MAY BE UNGROUNDED AND ENERGIZED"
	On the main service when DC wiring is run through the building and the DC disconnect is located other than at the main service	"DC DISCONNECT IS LOCATED..."
690.10(C)	Single source systems only	"WARNING: SINGLE SOURCE 120 VOLT SUPPLY, DO NOT CONNECT MULTI-WIRE BRANCH CIRCUITS"
690.14(C)(2)	AC and DC disconnects	"DC PHOTOVOLTAIC DISCONNECT" "AC PHOTOVOLTAIC DISCONNECT"
690.17	Main electrical service	"WARNING! MULTIPLE SOURCES OF POWER. A PV SYSTEM IS PRESENT. DISCONNECT ALL POWER SOURCES BEFORE SERVICING"
690.17	Placed on the disconnect from the solar panels to the PV system	"WARNING: ELECTRIC SHOCK HAZARD, DO NOT TOUCH TERMINALS, TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED"
690.35 (F)	For ungrounded systems. On each junction box, combiner box, disconnect	"WARNING: ELECTRIC SHOCK HAZARD. THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED"

690.53	DC disconnects	“Rated maximum power-point current _____ Rated maximum power-point voltage _____ Short circuit current _____ Maximum rated output current of the charge controller (if installed) _____ ”
	At the interactive points of interconnection, usually the main service	“Maximum AC operating current ____ Operating AC voltage _____ ”
690.56 (B) / 690.14(D)(4), 705.10	At the electrical service and at the photovoltaic inverter if not at the same location	A directory providing the location of the service disconnecting means and the photovoltaic system disconnecting means
690.64(B)(7)	Backfed panel-boards	“WARNING: INVERTER OUTPUT CONNECTION. DO NOT RELOCATE THIS OVERCURRENT DEVICE”
Utility Requirements	At the main electrical service when a supply-side tap is used	“CAUTION! SUPPLY SIDE TAP. OPEN AND LOCK AC PV DISCONNECT BEFORE REMOVING METER”
State Fire Marshall Guidelines	On DC conduit, raceways, enclosures, mark every 10’, at turns, above/below penetrations	“CAUTION: SOLAR CIRCUIT”

An acceptable label format:

