

Submitted by Wiles

690.9(C) ROP 4-232a

Change the proposed text as follows

(C) Direct-Current Rating. Overcurrent devices, either fuses or circuit breakers, used in PV dc source and PV dc output circuits ~~any de-portion of a PV power system~~ shall be listed for use in PV systems and shall have the appropriate voltage, current, and interrupt ratings.

PV systems, both stand-alone (off grid) and multimode systems (utility-interactive with battery backup) may employ dc circuits that include batteries. Any overcurrent device that is listed for use with direct currents and that has the proper ratings will work effectively and safely in the dc battery circuits.

Only the unique PV module sourced PV source and PV output circuits (defined in 690.2) have electrical characteristics that require overcurrent devices specifically listed for PV applications.

First Solar Response:

100% agreement.