



# San Diego Area Chapter International Code Council

Carlsbad, Chula Vista, Coronado, Del Mar, El Cajon, El Centro, Encinitas, Escondido, Imperial Beach, La Mesa, Lemon Grove, National City, Oceanside, Poway, San Diego City, San Diego County, San Marcos, Santee, Solana Beach, Vista

## Code Interpretation

<b>Subject:</b> Additional “AC” disconnect for single family, roof mounted, micro-inverter solarphotovoltaic systems	<b>Date Revised:</b> 5-2016	
<b>Key Words:</b>	<b>Code Section:</b> 690.14	
<b>Investigated By:</b> Chad Gustine-Committee Chair	<b>Code:</b> NEC	<b>Code Year:</b> 2011
<b>Approved By:</b> ICC- San Diego Area Chapter	<b>Date Approved:</b> May-2016	

**Question:** Is an additional, accessible, “AC” disconnect required to be installed next to the array for a single family, roof mounted, micro-inverter, solarphotovoltaic system?

When pv micro-inverters first hit the market in Southern California, local jurisdictions decided to have the industry install an additional disconnect at the array location. Late 2015 the ICC electrical sub-committee was tasked with evaluating this additional AC disconnecting means. After reviewing applicable codes, reviewing equipment specifications and installation instructions, the ICC electrical sub-committee reached consensus, that an additional rooftop AC disconnecting means will no longer be required.

**Answer:** No  
 NEC section 690.14(D)(1)(2) requires both a “AC” and “DC” disconnect be installed within sight of the inverter to facilitate servicing of the inverter.  
 NEC 690.17(4) Exception: A connector shall be permitted to be used as a “AC or a “DC” disconnecting means provided that it complies with the requirements of 690.33 and is listed and identified for the use.

**Conclusion:** If the connectors installed as part of the micro-inverter comply with 690.17(4), a separate “AC” disconnect will not be required.

This Code Interpretation is subject to change at any time. To determine if this interpretation is still current please visit our website at <http://www.iccsandiego.org>

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