

## APS Interconnection & Incentive Equipment Labels - ANSI

**ALL Labels to be made of UV resistant material and shall be permanently attached. Labels associated to an APS meter or disconnect shall be attached with rivets. All other labels may use the 3M 4930 VHB two-sided adhesive tape.** These labels shall be in accordance with ANSI Z535.1-2006(R2011) & ANSI Z535.4-2011 and the latest APS Interconnection Requirements for Distributed Generation, Section 8.6. (Colors shown are per ANSI standards, not required by APS or NEC.) Text font shall be SansSerif, size shown shall be 1/4 inch unless otherwise noted.

Label No.	Label Location	Text	Reference	Approximate Sizes
(1)	Dedicated kWh meter <i>(Black with White Lettering)</i>	<b>XXX METER</b>	Replace "XXX" with "UNI-DIRECTIONAL", "BI-DIRECTIONAL", etc. as applicable. Add "1", "2", etc. as applicable for multiple meters.	1 x 3-1/2 inches text 1/4 inch
(2)	Utility Disconnect <i>(Black with White Lettering)</i>	<b>UTILITY DISCONNECT</b>	Add "1 OF 2", "2 OF 2", etc. as applicable	1 x 3-1/2 inches text 1/4 inch
(3)	Dedicated kWh meter <i>(Black with White Lettering)</i>	<b>PHOTOVOLTAIC SYSTEM METER (UTILITY SIDE VOLTAGE ON TOP LUGS)</b>	For APS SCP residential self contained only	1 x 3-1/2 inches text 1/4 inch
(4)		<i>Replaced with Label No. 28</i>		
(5)	Leasing Company kWh meter <i>(Black with White Lettering)</i>	<b>LEASING COMPANY PV PRODUCTION METER</b>		1 x 3-1/2 inches text 1/4 inch
(6)		<i>Replaced with Label No. 1</i>		
(7)		<i>Replaced with Label No. 1</i>		
(8)		<i>Replaced with Label No. 1</i>		
(9)	3rd Party Battery System meter <i>(Black with White Lettering)</i>	<b>3RD PARTY OWNED BATTERY SYSTEM PRODUCTION METER</b>		1 x 3-1/2 inches text 1/4 inch
(10)	Dedicated kWh meter PERMANENT PLAQUE OR DIRECTORY <i>(Black with White Lettering)</i>	<del>REPLACEMENT OF "METER BY DISCONNECT ON BACK</del>	No longer applicable. Disconnects must be adjacent to meter.	1/2 x 1-3/4 inches text 1/8 (or 1/16) inch
(11)		<i>Replaced with Label No. 2</i>		
(12)		<i>Replaced with Label No. 2</i>		
(13)	Meter Disconnect <i>(Black with White Lettering)</i>	<b>XXX METER YYY DISCONNECT</b>	Replace "XXX" with "UNI-DIRECTIONAL", "BI-DIRECTIONAL", etc. and "YYY" with "LINE SIDE", "DER SIDE", etc. as applicable	1 x 3-1/2 inches text 1/4 inch
(14)	Dedicated kWh meter PERMANENT PLAQUE OR DIRECTORY <i>(Black with White Lettering)</i>	<b>OPEN ALL ISOLATION DEVICES [DIRECTION/LOCATION] TO ISOLATE THIS METERING ENCLOSURE FROM ALL KNOWN SOURCES OF POWER. ENSURE ISOLATION DEVICES ARE LOCKED IN THE OPEN POSITION IN ACCORDANCE WITH OSHA LOCK OUT / TAG OUT REQUIREMENTS PRIOR TO PERFORMING ANY WORK WITHIN THIS METERING ENCLOSURE</b>	Replace" [DIRECTION/LOCATION] with specifics to identify devices and location to isolate the meter from all potential sources, especially when not in the same workspace	Minimum 1-1/2 x 5 inches text 1/8 inch
	Dedicated kWh meter <i>(Yellow with black letting)</i>	<b>CAUTION SUPPLY/LINE SIDE CONNECTION</b>		1-1/2 x 3-1/2 inches text 1/4 inch

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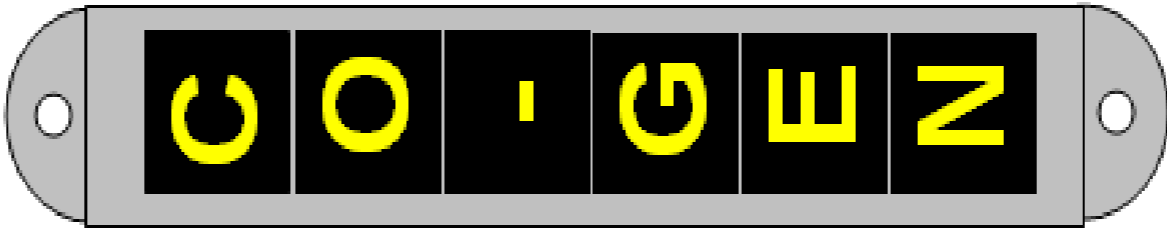
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Label No.	Label Location	Text	Reference	Approximate Sizes	
(17)	Under Bi-Directional ESS meter <i>(Yellow with black lettering)</i>	<b>CAUTION POSSIBLE BACKFEED ENERGY STORAGE SYSTEM LOAD SIDE BACKFEED</b>		1-1/2 x 3-1/2 inches text 1/4 inch	
	Utility Disconnect & Dedicated kWh meter <i>(Orange with Black Lettering)</i>	<b>WARNING ELECTRIC SHOCK HAZARD DO NOT TOUCH TERMINALS TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION</b>	2011 & 2014 NEC 690.17(E) 2017 NEC 690.13(B), 690.15(D) 2020 NEC 690.13(B), 690.15(C), 706.15(C)	1-1/2 x 3-1/2 inches "Warning" Text 1/4 inch text 3/16 inch	
	Service Entrance / Production Meter or Utility Disconnect when <u>not</u> adjacent <i>(Orange with Black Lettering)</i>	<b>WARNING OTHER POWER SOURCE CONNECTED IS A DER SYSTEM. UTILITY DISCONNECT SWITCH FOR THIS SOURCE IS LOCATED APPROX 40 FEET FROM THIS LOCATION ON NORTH WEST SIDE OF DETACHED GARAGE.</b>	<b>AND</b>	<b>WARNING SERVICE ENTRANCE IS LOCATED APPROXIMATELY 40 FEET NORTH AND 60 FEET WEST FROM THIS LOCATION ON SOUTH SIDE OF HOUSE</b>	1-1/2 x 5 inches "Warning" Text 1/4 inch text 1/8 inch
	Combiner box/panel <i>(Blue with White Lettering)</i>	<b>NOTICE DEDICATED DER SYSTEM COMBINER PANEL DO NOT ADD LOADS TO THIS PANEL</b>			1-1/2 x 3-1/2 inches text 1/4 inch
	Supply Side Tap / Load Panel <i>(Orange with Black Lettering)</i>	<b>WARNING A GENERATION SOURCE IS CONNECTED TO THE SUPPLY (UTILITY) SIDE OF THE SERVICE DISCONNECTING MEANS. FOLLOW PROPER LOCK-OUT/TAG-OUT PROCEDURES TO ENSURE THE DER UTILITY DISCONNECT IS OPENED PRIOR TO PERFORMING WORK ON THIS DEVICE</b>			1-1/2 x 5 inches "Warning" Text 1/4 inch text 1/8 inch
	Service Entrance and Tap Box / Multiple Sources <i>(Orange with Black Lettering)</i>	<b>WARNING MULTI POWER PRODUCTION SOURCES INTERCONNECTED TO THIS ELECTRICAL DEVICE</b>			1-1/2 x 5 inches "Warning" Text 1/4 inch text 1/8 inch
	Load Panel / Multiple Sources <i>(Orange with Black Lettering)</i>	<b>WARNING THIS EQUIPMENT FED BY MULTIPLE SOURCES TOTAL RATING OF ALL OVERCURRENT DEVICES, EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE, SHALL NOT EXCEED AMPACITY OF BUSBAR</b>		2017 NEC 705.12(B)(2)(3)(c) 2020 NEC 705.12(B)(3)(3)	1-1/2 x 5 inches "Warning" Text 1/4 inch text 1/8 inch
(22)	Panelboard <i>(Red with White Lettering)</i>	<b>CAUTION DUAL POWER SOURCES SECOND SOURCE IS PHOTOVOLTAIC SYSTEM</b>	2011 NEC 705.12(D)(4) 2014 NEC 705.12(D)(3) 2017 NEC 705.12(B)(3)	1-1/2 x 5 inches "CAUTION" Text 1/4 inch text 1/8 inch	
(23)	Service Entrance / Center-Fed Panelboard <i>(Red with White Lettering)</i>	<b>CAUTION DO NOT MOVE BREAKERS OR ADD NEW CIRCUITS WITHOUT ELECTRICAL ENGINEER APPROVAL</b>	2014 NEC 705.12(D)(2)(3)(d)	1-1/2 x 5 inches "CAUTION" Text 1/4 inch text 1/8 inch	
(24)					

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Label No.	Label Location	Text	Reference	Approximate Sizes
(25)	Backfed Breaker <i>(Black with White Lettering)</i>	<b>PHOTOVOLTAIC POWER SOURCE BREAKERS ARE BACKFEEDING</b>	2011 NEC 705.12(D)(5) 2014 NEC 705.12(D)(4) 2017 NEC 705.12(B)(4) 2020 NEC 705.12(C)	1/2 x 1-3/4 inches text 1/8 (or 1/16) inch
(26)	Main Bkr De-rate <i>(Black with White Lettering)</i>	<b>BREAKER HAS BEEN DE-RATED PER NEC 705.12(D)(2)</b>	<b>NOTE: FOR 2017 NEC REPLACE CODE REFERENCE WITH 705.12(B)(2)</b>	1/2 x 1-3/4 inches text 1/8 (or 1/16) inch
(27)	Amp Rating of Main if De-rated <i>(Black with White Lettering)</i>	<b>MAX ____ AMPS</b>	<b>LABEL TO BE INSTALLED ADJACENT TO OR UNDERNEITH LABEL 26</b>	1/2 x 1-3/4 inches text 1/8 (or 1/16) inch
(28)	Backfed Breaker <i>(Orange with Black Lettering)</i>	<b>WARNING POWER SOURCE OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE</b>	2011 NEC 705.12(D)(7) 2014 NEC 705.12(D)(2) 2017 NEC 705.12(B)(2)(3)(b) 2020 NEC 705.12(B)(3)(2)	1-1/2 x 3-1/2 inches text 1/4 inch
(29)	Dedicated 3Phase kWh meter <i>(Orange with Black Letting)</i>	<b>WARNING VOLTAGE AT THIS METER IS DIFFERENT THAN VOLTAGE AT BILLING METER  ____/____ Vac 3 PH __W</b>	Fill in V and # wire for 3-ph systems where voltage at production meter is different than service voltage	1-1/2 x 3-1/2 inches text 1/4 inch

(30)	Under Bi-Directional meter <i>(Yellow with Black Lettering)</i>	<b>CAUTION POSSIBLE BACKFEED EQUIPMENT CONNECTED TO TWO OR MORE SOURCES OF POWER</b>		<b>Utility Installed Labels</b>
(31)	Pole/Transformer Sign <i>(Alluminum holder - Black with Yellow Lettering)</i>			

LABELS BELOW ARE FOR EXAMPLE ONLY, AND NOT REQUIRED TO BE ENGRAVED

(*)	AC Panel <i>(Black with White Lettering)</i>	<b>PHOTOVOLTAIC ELECTRIC POWER SOURCE MAXIMUM AC CURRENT _____ A SYSTEM AC VOLTAGE _____ V</b>	<b>NEC 690.54</b>	1-1/2 x 3-1/2 inches Text 3/16 inch
(*)	DC Disconnect <i>(Black with White Lettering)</i>	<b>PHOTOVOLTAIC ARRAY DC DISCONNECT SWITCH PHOTOVOLTAIC POWER SOURCE VOC _____ VDC ISC _____ A VOP _____ VDC IOP _____ A</b>	<b>NEC 690.53</b>	1-1/2 x 3-1/2 inches Text 3/16 inch