UniSource Energy Services uesaz.com

Installer Drawing Checklist





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Project Information

Site Plan	
(Required for all projects)	MEG
1. The installation address and property owner name are shown.	\square
2. The drawing omits any copyrighted, proprietary, or confidential language.	YES
3. The site plan includes a scale.	YES
4. The utility equipment is labeled including:	
Revenue Meter and Service Entrance	
DG Meter Socket	YES
Utility DG Disconnect Switch	
5. The proposed location of all PV system equipment, new and existing, is provided and is labeled including:	
• Inverter(s)	
Modules	
• Sub-panels (if applicable)	
• Junction Boxes and Gutters associated with DG interconnection or Main Service (if applicable)	
Additional Disconnect Switches associated with DG interconnection or Main Service (if applicable)	YES
• Energy Storage System (if applicable)	
6. The Revenue Meter and Service Entrance location are in accordance with UES's Electrical Service	YES
Requirements (SR-405).	
7. The Revenue Meter and Service Entrance are within 10 feet of DG Meter Socket and Utility DG	YES
Disconnect Switch per UES's Electrical Service Requirements (SR-702).	
8. The DG Meter Socket and Utility DG Disconnect Switch have the appropriate work space, location, and	YES
height per UES's Electrical Service Requirements (SR-405, SR-702).	
9. Property lines, streets, gates and fences/walls are labeled.	YES
10. Permanently installed structures and equipment are clearly labeled, if in proximity to utility and PV system	
equipment, including:	
Carports	
• Porches	
• Breezeways	
Patios	
• Doors	
• Windows	
• Gas meters	
• Stairways	
• Ramps	VES
Ground AC Units	

Residential Diagram Guide



One Line Diagram (Required for all projects)	
1. The installation address and property owner name are shown.	YES
2. The drawing omits any copyrighted, proprietary, or confidential language.	YES
3. The Method of Interconnection (MOI) shown matches MOI listed on the application form.	YES
 4. Revenue Meter, Service Entrance and Interconnection: The Service Entrance Panel is labeled new or existing. The Service Entrance Panel make and model number are displayed if new or if the Service Entrance Panel is Solar Ready. The Service Entrance Panel (Busbar) amperage, voltage, and phase are displayed. The Service Entrance busing is drawn and labeled to accurately reflect product specifications (Solar Ready Panel, Multiple Main Breakers, etc.). The PV Breaker amperage is displayed (if applicable). The Main Circuit Breaker (MCB) amperage is displayed. The PV Breaker's location is accurately reflected and per NEC (if applicable) The make, model and catalog number for any lugs or adapters used for Line Side Taps are listed (if applicable). 	
	YES
 5. All of the proposed PV system equipment, new and existing, are displayed and labeled: Inverter(s) Modules Sub-panels (if applicable) Junction Boxes and Gutters associated with DG interconnection or Main Service (if applicable) Additional Disconnect Switches associated with DG interconnection or Main Service (if applicable) 	YES
Energy Storage Systems (if applicable)	
 b) Do Meter Sockel. Make and model are displayed. Amperage, voltage, and phase are displayed. Displays wiring consistent with SR-702 wiring schematics. The DG Meter Socket and all related metering equipment and conduits are properly grounded. 	YES
 7. Utility DG Disconnect Switch: Make and model are displayed. Amperage, voltage, and phase are displayed. Location is between the Revenue Meter and DG Meter Socket. Displays wiring consistent with SR-702 wiring schematics. The enclosure and conduits are properly grounded. For Line Side Taps, the Utility DG Disconnect Switch is fused and the fuse amperage is displayed. 	YES
 8. Inverter(s): Quantity is displayed and matches the Application. Make and model(s) are displayed and matches the Application. The total AC kW is displayed and matches the Application. 	YES
 9. Modules: The Module quantity is displayed and matches the Application. Make and model are displayed and matches the Application. The total DC kW is displayed and matches the Application. 	YES



YES

Residential Diagram Guide

One Line Diagram (Continued)

- 10. Energy Storage System (if applicable):
 - The Energy Storage quantity is displayed and matches the Application.
 - The Energy Storage make and model are displayed and matches the Application.
 - The total Maximum Output Power AC kW is displayed and matches the Application.
 - The backed-up loads are accurately displayed and labeled.
 - The Energy Storage System Configuration is accurately displayed.

DG Interconnection and Metering Elevation Plan

1. The installation address and property owner are shown.		3
2. The drawing omits any copyrighted, proprietary, or confidential language.		3
3. The elevation plan includes a scale.	YES	3
 4. The utility equipment is labeled and displayed to scale: Revenue Meter and Service Entrance DG Meter Socket Utility DG Disconnect Switch 	YES	3
 5. All PV system equipment, new and existing, is labeled and displayed to scale: Inverter(s) Modules Sub-panels (if applicable) Junction Boxes and Gutters associated with DG interconnection or Main S Additional Disconnect Switches associated with DG interconnection or Main S Energy Storage Systems (if applicable) 	Service (if applicable) ain Service (if applicable) YES	5
6. Approximate height of equipment is displayed.	YES	3
 Approximate spacing between main components is displayed. The Revenue Meter and Service Entrance location are in accordance with UES Requirements (SR-405) 	S's Electrical Service YES	5
 9. The Revenue Meter and Service Entrance are within 10 feet of DG Meter Soch Disconnect Switch per UES's Electrical Service Requirements (SR-702). 10. The DG Meter Socket and Utility DG Disconnect Switch have the appropriate 	ket and Utility DG YES	5
and height per UES's Electrical Service Requirements (SR-405, SR-702).	YES	3
 11. Gates and rences are displayed and labeled. 12. Permanently installed structures and equipment are clearly labeled and display proximity to utility and PV system equipment, including: Carports Porches Breezeways Patios Doors Windows Gas meters Stairways 	red to scale, if in	
RampsGround AC Units	YES	3











