50 KW UTILITY STRING INVERTER, 1000 VDC TO 480 VAC
AC AUG 02, 4W PHASE, 4W UNGROUNDED STRING

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**NOTES:**

All equipment shall be installed and labeled in accordance with the NEC and all applicable requirements of the serving electric utility company and of the local authority having jurisdiction.

CT-rated bi-directional utility meter installed by utility company.

Label "Photovoltaic system utility disconnect switch," switch cover to be locked at all times. Switch to be visible, open, accessible per utility requirements, conform to NEC 705.22, and rated for the available fault current.

Label "Photovoltaic system disconnect switch" (specify make and model, #3 pole, 400A, 600VAC fuses) to be locked. [Switch is internal to inverter]

Label "Photovoltaic system meter disconnect switch" (specify make and model, #3 pole, 400A, 600VAC fuses) to be locked. [Switch is internal to inverter]

Load side taps are installed per NEC 240.21(B) and local AHJ approvals. Label "Photovoltaic system customer disconnect." Switch to be locked at all times.

Load side tap is installed in accordance with manufacturer's instructions. Documentation is included with the APS interconnection application. Equipment shall be tested, listed, and marked to withstand the available short circuit current. EGC is installed in accordance with NEC Article 250.122(G).

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SAMPLE LOAD SIDE TAP 3-LINE DIAGRAM

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ABC SOLAR COMPANY INC.

THREE-LINE ELECTRICAL DIAGRAM

200 KW AC PHOTOVOLTAIC SYSTEM

999 N. CACTUS BIRD RD.

ANY CITY, AZ 85123

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ABC PROJECT #1111-9809

REV. C

DATE 09-10-10

DESIGNER

CHECKED

APPROVED

9-10-10

ARCHITECT/ENGINEER

SHENG YU

REV. B

LST THREE-LINE

SIZE NA

NOTE: THIS DRAWING IS FOR ILLUSTRATION PURPOSES ONLY AND IS NOT TO BE USED FOR DESIGN OR CONSTRUCTION. THIS DRAWING AND ITS SUITABILITY FOR END USE IS NOT IMPLIED. THE INTENT IS TO ONLY ILLUSTRATE TYPICAL MINIMUM INFORMATION REQUIRED AT TIME OF APPLICATION TO APS. ADDITIONAL INFORMATION MAY BE REQUIRED.
1. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC AND ALL APPLICABLE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
2. FOLLOW MANUFACTURERS SUGGESTED INSTALLATION PRACTICES AND WIRING SPECIFICATIONS.
3. WIRES SHALL BE RATED AND LABELED "SUNLIGHT RESISTANT" WHERE EXPOSED TO AMBIENT CONDITIONS.

NOTES:

This Sample Drawing is for illustration purposes only and is not to be used for design or construction. This drawing and its suitability for end use is not implied. The intent is to only illustrate typical minimum information required at time of application to APS. Additional information may be required. 

ABC SOLAR COMPANY INC.

THREE-LINE ELECTRICAL ARRAY DIAGRAM
200 KW AC PHOTOVOLTAIC SYSTEM
999 N. CACTUS BIRD RD.
ANY CITY, AZ 85123

SAMPLE LOAD SIDE TAP ARRAY DRAWING
This Sample Drawing is for illustration purposes only and is not to be used for design or construction. This drawing and its suitability for end use is not implied. The intent is to only illustrate typical minimum information required at time of application to APS. Additional information may be required.

PLANT LOCATION

W. NORTH ST.

N. CACTUS BIRD RD.

INTERSTATE 25

W. COLORADO RIVER ST.

SAMPLE LOAD SIDE TAP PLANT LOCATION

ABC SOLAR COMPANY INC.

PLANT LOCATION

200 KW AC PHOTOVOLTAIC SYSTEM

200 kW AC PHOTOVOLTAIC SYSTEM

999 N. CACTUS BIRD RD.

ANY CITY, AZ 85123

ANY CITY, AZ 85123

1234 South Main Street

Any City, Arizona 85123

Tel: 602-555-5555

ABC SOLAR COMPANY INC.

1234 South Main Street

Any City, Arizona 85123

Tel: 602-555-5555

PRELIMINARY DRAWING SET

APPROVALS

DRAWN ABC 09-10-10

CHECKED

ENGINEER

REV. A 09-10-10

LST PLANT LOCATION

ABC PROJECT #1111-9999

SCALE NA

REV. A

SHEET 4 OF 5
NOTE: UTILITY HAS 24-HR UNRESTRICTED ACCESS TO THE PHOTOVOLTAIC SYSTEM METER AND PHOTOVOLTAIC SYSTEM UTILITY DISCONNECT SWITCH THROUGH THE SECURITY GATE

ACCESS CODE: 12345#