



NOTES:
 1) IF UTILITY REQUIRES VISIBLE-BREAK SWITCH, DOES THE AC DISCONNECT SATISFY THE UTILITY REQUIREMENTS OR IS AN ADDITIONAL SWITCH NECESSARY?
 2) IF INCENTIVE PROGRAM REQUIRES PV OUTPUT METER, ADD METERBASE THAT MEETS REQUIREMENTS.

PV MODULE RATINGS @ STC

MODULE MANUFACTURER _____

MODULE MODEL # _____

OPEN-CIRCUIT VOLTAGE = _____ V

OPERATING VOLTAGE = _____ V

MAX SYSTEM VOLTAGE = _____ V

OPERATING CURRENT = _____ A

SHORT-CIRCUIT CURRENT = _____ A

MAXIMUM POWER = _____ W

Voc TEMP COEFF = _____ mV or %/°C (IF SUPPLIED)

PV ARRAY INFORMATION

OF MODULES IN SERIES _____

OF PARALLEL CIRCUITS _____

LOWEST EXPECTED TEMP _____ °C

HIGHEST EXPECTED TEMP _____ °C

690.53 PHOTOVOLTAIC POWER SOURCE SIGN ON DC DISCO

RATED CURRENT = _____ A

RATED VOLTAGE = _____ V

MAX SYS VOLTAGE = _____ V

MAX CIRC CURRENT = _____ A

SOURCE CIRCUIT WIRE TYPE (OUTSIDE CONDUIT-CIRCLE ONE)
 USE-2; PV WIRE

SOURCE CIRCUIT WIRE TYPE (INSIDE CONDUIT-CIRCLE ONE)
 THWN-2; XHHW-2; RHW-2; USE-2

SOURCE CIRCUIT WIRE SIZE (SEE NOTE BELOW) _____

NOTES:
 1.) ASHRAE FUNDAMENTALS OUTDOOR DESIGN TEMPERATURES DO NOT EXCEED 47°C IN THE UNITED STATES (PHOENIX, AZ; PALM SPRINGS, CA).
 2) FOR LESS THAN 9 CURRENT-CARRYING CONDUCTORS IN ROOF-MOUNTED SUNLIT CONDUIT AND USING THE OUTDOOR DESIGN TEMPERATURE OF 47°C,
 a) 12 AWG CONDUCTORS ARE GENERALLY ACCEPTABLE FOR MODULES WITH I_{sc} OF 6.4 AMPS OR LESS WHEN PROTECTED BY A 10-AMP FUSE.
 b) 10 AWG CONDUCTORS ARE GENERALLY ACCEPTABLE FOR MODULES WITH I_{sc} OF 9.6 AMPS OR LESS WHEN PROTECTED BY A 15-AMP FUSE.

Generic Photovoltaic System Electrical Diagram for PV Systems of 10 kW or less				
				SIZE A
Drawn By:	SCALE	NTS	Date:	SHEET
Checked By:				