

NOTES for Residential Small Scale PV System Electrical Diagram		
Permit #:	Date:	
Contractor:		
Job Address:		
Contact Name:		
Contact Phone:		

SIGNS

SIGN FOR DC DISCONNECT

PHOTOVOLTAIC POWER SOURCE		
RATED MPP CURRENT	А	
RATED MPP VOLTAGE	V	
MAX SYSTEM VOLTAGE	V	
MAX CIRCUIT CURRENT	А	

WARNING: ELECTRICAL SHOCK HAZARD-LINE AND LOAD MAY BE ENERGIZED IN OPEN POSITION

SIGN FOR INVERTER OCPD AND AC DISCONNECT (IF USED)

,		
SOLAR PV SYSTEM		
AC POINT OF CONNECTION		
AC OUTPUT CURRENT	Α	
NOMINAL AC VOLTAGE	V	
THIS PANEL FED BY MULTIPLE		
SOURCES (UTILITY AND SOLAR)		

PV MODULE RATINGS

MODULE MAKE		
MODULE MODEL		
MAX POWER-POIN	NT CURRENT (I _{MP})	А
MAX POWER-POIN	NT VOLTAGE (V _{MP})	V
OPEN-CIRCUIT VO	OPEN-CIRCUIT VOLTAGE (V _{OC})	
SHORT-CIRCUIT CURRENT (I _{SC})		А
MAX SERIES FUSE	А	
MAXIMUM POWER	w	
MAX VOLTAGE (TYP 600V _{DC})		V
VOC TEMP COEFF (mV/°C ☐ or %/°C ☐)		
IF COEFF SUPPLIED, CIRCLE UNITS		

INVERTER RATINGS

INVERTER MAKE		
INVERTER MODEL		
MAX DC VOLT RATING		V
MAX POWER @ 40°C		W
NOMINAL AC VOLTAGE		V
MAX AC CURRENT		А
MAX OCPD RATING		А

LOWEST EXPECTED AMBIENT TEMP:	°C
HIGHEST CONTINUOUS TEMPERATURE:	°C

NEC 690.8(B) Photovoltaic system currents shall be considered continuous.

NEC 690.8(B)(1) The circuit conductors and overcurrent devices shall be sized to carry not less than 125 percent of the maximum currents calculated in 690.8(A).

Exception: Circuits containing an assembly, together with its overcurrent device(s), that is listed for continuous operation at 100 percent of its rating shall be permitted to be utilized at 100 percent of its rating.

All signage and markings shall be a phenolic or metalic plate or other similar material in block letters 1/4 inch or greater in height, and suitable for the environment. Letters and background shall be in contrasting colors. Screws, rivets or other approved means shall be used to affix plates to equipment.

INVERTER		PANELBOARD	
Maximum Current	OCPD Size	Main Bus	Main OCPD
56 amps	70 amps	0 amps 225 amps	
36 amps	36 amps 45 amps		225 amps
33 amps	33 amps 40 amps		200 amps
24 amps	30 amps	150 amps	150 amps
20 amps	25 amps	125 amps	125 amps
16 amps	20 amps	100 amps	100 amps

SITE PLAN		Provide roof outline with location	Provide roof outline with location of all PV panels, j-box, combiner and DC disconnect.	
RESIDENTIAL SMALL SCALE PV SYSTEM				
Permit #:	Date:	Contractor:	Contrator Phone:	
Job Address:	51	Contact Name:	Contact Phone:	