



SOLAR ELECTRIC
CONTRACTOR

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CUSTOMER:

David Wagner
4560 Bristol Cross Rd
Canandaigua, NY 14424

SITE LOCATION:

4560 Bristol Cross Rd
Canandaigua, NY 14424

CUSTOMER RESIDENCE - 9 kW DC

SYSTEM SPECIFICATIONS:

Solar Module Manufacturer: Canadian Solar
Model: CS6P-250P
Number of Modules: 36
DC Watts per Module: 250
Total DC System Size: 9 kW DC-STC

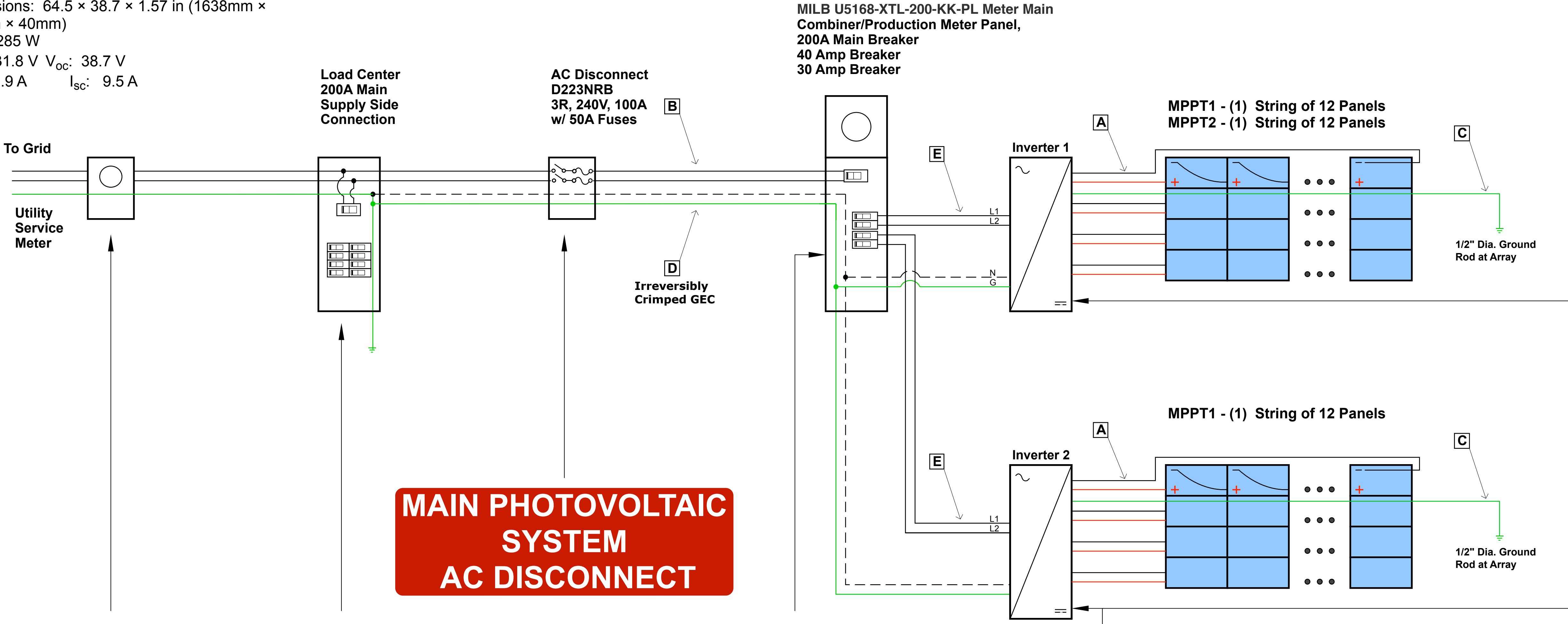
Actual Max AC System Size: - 9 kW

MODULE SPECIFICATIONS @ STC

Dimensions: 64.5 × 38.7 × 1.57 in (1638mm × 982mm × 40mm)
P_{max}: 285 W
V_{mp}: 31.8 V V_{oc}: 38.7 V
I_{mp}: 8.9 A I_{sc}: 9.5 A

INVERTER AC SPECIFICATIONS				
Inverter	Make	Model	Max Power	Max Current
1	SMA	Sunny Boy 6.0	6.0 kW	25A
2	SMA	Sunny Boy 3.0	3.0 KW	12.5A
Integrated DC Disconnect				

WIRE SCHEDULE			
Callout	Size	Type	Conduit
A	#10	PV Wire	None
B	#1	Aluminum URD	1 1/2" PVC
C	#6	Solid Bare Copper	None
D	#6	Copper THWN-2	1 1/2" PVC



BUILDING SUPPLIED BY UTILITY GRID AND PHOTOVOLTAIC SYSTEM

PHOTOVOLTAIC SYSTEM DISCONNECT(S) LOCATED:

⚠ WARNING

EQUIPMENT IS ENERGIZED FROM TWO SOURCES: UTILITY GRID & PHOTOVOLTAIC SYSTEM

AC OPERATING CURRENT: 38A

AC OPERATING VOLTAGE: 240V

SERVICE DISCONNECT # 1 of 2

OTHER DISCONNECTS LOCATED:

⚠ WARNING

EQUIPMENT IS ENERGIZED FROM TWO SOURCES: UTILITY GRID & PHOTOVOLTAIC SYSTEM

AC OPERATING CURRENT: 38A

AC OPERATING VOLTAGE: 240V

SERVICE DISCONNECT # 2 of 2

OTHER DISCONNECTS LOCATED:

⚠ WARNING

EQUIPMENT IS ENERGIZED FROM TWO SOURCES: UTILITY GRID & PHOTOVOLTAIC SYSTEM

AC OPERATING CURRENT: 38A

AC OPERATING VOLTAGE: 240V

PHOTOVOLTAIC AC DISCONNECT

PHOTOVOLTAIC AC COMBINING PANEL

DEDICATED EQUIPMENT: DO NOT ADD LOADS

⚠ WARNING

EQUIPMENT IS ENERGIZED FROM TWO SOURCES: UTILITY GRID & PHOTOVOLTAIC SYSTEM

AC OPERATING CURRENT: 38A

AC OPERATING VOLTAGE: 240V

PHOTOVOLTAIC

DC DISCONNECT

⚠ WARNING

ELECTRICAL SHOCK HAZARD	ELECTRICAL SHOCK HAZARD
DO NOT TOUCH TERMINALS TERMINALS ON BOTH LINE AND LOAD SIDE MAY BE ENERGIZED IN THE OPEN POSITION	THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUND AND MAY BE ENERGIZED

⚠ WARNING

MPPT1: 1 STRING OF 12 RATED MAX POWER-POINT CURRENT: 8.3 A MAXIMUM CIRCUIT CURRENT: 11.1 A	HIGH VOLTAGE DC SERVICE BY QUALIFIED PERSONNEL ONLY	RATED MAX POWER-POINT VOLTAGE: 361 V MAXIMUM SYSTEM VOLTAGE: 521 V
MPPT2: 1 STRING OF 12 RATED MAX POWER-POINT CURRENT: 8.3 A MAXIMUM CIRCUIT CURRENT: 11.1 A	DC VOLTAGE IS ALWAYS PRESENT WHEN SOLAR MODULES ARE EXPOSED TO LIGHT	MAX RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER IF INSTALLED: N/A
DO NOT REMOVE FUSES UNDER LOAD		