

MODULE INFO
 Make: _____
 Model: _____
 Voc, Volts: _____
 Isc, Amps: _____
 Max Series Fuse, Amps: _____
 Temp Coefficient, Voc: _____
 Panel Weight, lbs: _____
 Panel Width, in: _____
 Panel Length, in: _____

Inverter Input Circuits
 No. Entering Inverter: _____
 AWG: _____
 Conductor Type (Check One):
 ___ THWN-2 ___ USE-2
 ___ XHHW-2 ___ PV WIRE
 ___ RHW-2

Inverter Output Circuits
 No. Leaving Inverter: _____
 AWG: _____
 Conductor Type (Check One):
 ___ THWN-2
 ___ XHHW-2
 ___ RHW-2

PV METER INFO
 Make: _____
 Model: _____
USED (Check One):
 ___ Yes OR ___ No

AC DISC INFO
 Make: _____
 Model: _____
 Size, Amp: _____
USED (Check One):
 ___ Yes OR ___ No

PV Source Circuits
 No. Entering J-Box: _____
 AWG: _____
 Conductor Type (Check One):
 ___ USE-2
 ___ PV WIRE

INVERTER INFO
 Make: _____
 Model: _____
 Vdc, Volts: _____
 Max AC Output, Amps: _____
 No. of fused inputs: _____
 Fuse size used, Amps: _____

MAIN DIST PANEL INFO: ___ New ___ Exist
 Busbar size, Amps: _____
 Main OCPD, Amps: _____
 Interconnect OCPD: _____
 Based on 1.25 x Inverter's Max AC Output per 690.8(B) but is <= to (1.2xBus) - Main per 690.64(B)(2).

BOX COLOR KEY:

- = Equipment Information
- = Circuit Information
- = Grounding Information

___ MODULES IN SERIES
(PUT "N/A" IF UNUSED)

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EGC size for DC side
 ___ AWG: _____
 Sized per T250.122. All exposed EGC's shall be #6 min per 250.120(C)

EGC PV EQUIPMENT GROUNDING (Check One)
 ___ #6 AWG with lug listed for direct burial
 ___ WEEB clips; provided module manufacturer permits WEEB. Use #6 AWG from mounting structures to J-Box

J-BOX INFO (NEMA 3R)
USED (Check One):
 ___ Yes OR ___ No

DC GEC
 Size AWG: _____ Bonding Jumper Size: AWG: _____
 Per 690.47 & 250.166 or N/A: _____

Note: #8 AWG required to be protected in conduit or armor cable

Bonding Jumper between multiple GEC's sized for larger of AC (T250.66) & DC (250.166) GEC

Multiple electrodes to be minimum 6 feet apart per 250.53(B)

EX. BUILDING GROUNDING ELECTRODE
 (N) ELECTRODE: USE 3/4" X 10'-0" LONG ROD BURIED MIN. 8'-0" IN SOIL PER 250.53(G)
 USE EXOTHERMIC WELDING PROCESS OR LISTED HIGH PRESS CONNECTOR TO BOND GEC TO ELECTRODE. ONE CONDUCTOR TO GE PER CONNECTION UNLESS CLAMP IS LISTED FOR MULTIPLE CONDUCTORS PER 250.70

EGC size for AC side
 AWG: _____
 Sized per T250.122. All exposed EGC's shall be #6 min per 250.120(C)

CONDUIT MATERIAL USED (Check One)
 ___ INCH DIA EMT fastened every 10 feet and within 3 feet of boxes, cabinets, and/or terminations per 358.30(A) and supported every 10 feet per 358.30(B); or,
 ___ INCH DIA PVC require expansion fittings and support straps attached to mounting surface with one fastener on each side of conduit per 352.30 and 352.44.

ONE LINE DIAGRAM-JBOX TO INVERTER

Project Address: _____