



Equipment Schedule

Inverter: SMA
Model# = S7700-TL-US
Power output = 7700W
Max DC voltage rating = 600v
Nominal A/C voltage = 240V
Max. A/C output= 30A
Integrated D/C disconnect
A/C Disconnect
Manufacturer: Square D
Model # QO200TR

PV Module information

Manufacturer = Solar World
Module Model# = SW 325 mono
Wattage = 325W
Rated Voltage = 36.1V
Rated current = 8.71A
Open Circuit Voltage = 46.1V
Short Circuit Current = 9.35A
Max. Syst. Voltage = 1000V
Series Fuse Rating = 25A
Temp. Coeff. = Voc -.30%/K

Wiring & Conduit Schedule

PV source circuits
Conductors: #8 USE-2
Ground: #6 bare copper
Conduit: 1.25" SCH80 PVC
PV Output Circuit
Conductors: #10 THWN
Ground: #6 BARE CU
Conduit: 1.25" PVC
Inverter Output Circuit (POI)
Conductors: #6 THWN
Equipment Ground: #6 THHN
to building grounding bus bar in MDP
GEC: #6 bare copper to UFER ground

Combined PV Array information

Manufacturer = SolarWorld
Module Model# = SW 325XL
Max Power at STC= 325W
Number of modules in series = 6
Number of Series modules in Parallel = 2
Operating Current = 11.75A
Short Circuit Current = 17.75A
Operating Voltage = 240.0V
Max. Syst. Voltage = 240.0V
Max Circuit Current = 20A

Notes

- The point of interconnection is a 2 pole 30 Amp 240V breaker in a panel in the electrical room
- The meter will be placarded, "Warning!! Photovoltaic System Connected"
- A visible A/C disconnect will be located outside next to electric meter at ground level and placarded, "Photovoltaic A/C Disconnect"

Black Dog Ranch Residence Steamboat, CO

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