

PV Designer Report

11/17/2010

For:

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By:

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Session Design Summary:

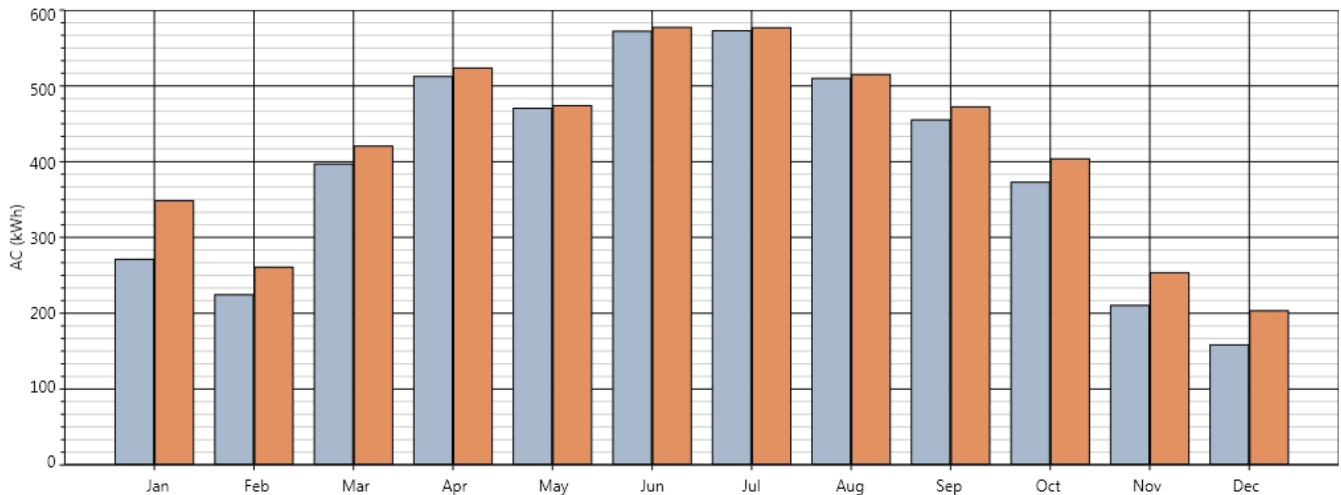
Session Design Summary:

Name: Solmetric example
 Location: 38.40 °N, 122.80 °W
 Minimum Temperature: 15.00 °F
 Maximum Temperature: 83.00 °F

Weather Properties:

Station Name: Santa Rosa
 Data Source: CTZ02
 Location: 38.45 °N, 122.72 °W
 Distance From Session Location: 5.55 mi

Design Result Chart:



Monthly Total AC kWh:

Month	Design 1 AC (kWh)	Design 1 - unshaded AC (kWh)	Delta AC kWh	Combined AC kWh
Jan	272.2	349.3	77.1	621.4
Feb	225.4	261.8	36.4	487.2
Mar	397.8	421.3	23.5	819.1
Apr	513.0	524.5	11.5	1037.6
May	471.3	474.7	3.5	946.0
Jun	573.0	577.9	4.9	1150.9
Jul	573.6	577.7	4.1	1151.2
Aug	510.7	515.9	5.2	1026.6
Sep	456.0	473.1	17.1	929.2
Oct	373.8	404.6	30.8	778.4
Nov	211.3	254.4	43.1	465.7
Dec	159.2	204.1	44.9	363.2
Annual	4737.2	5039.4	302.2	9776.5

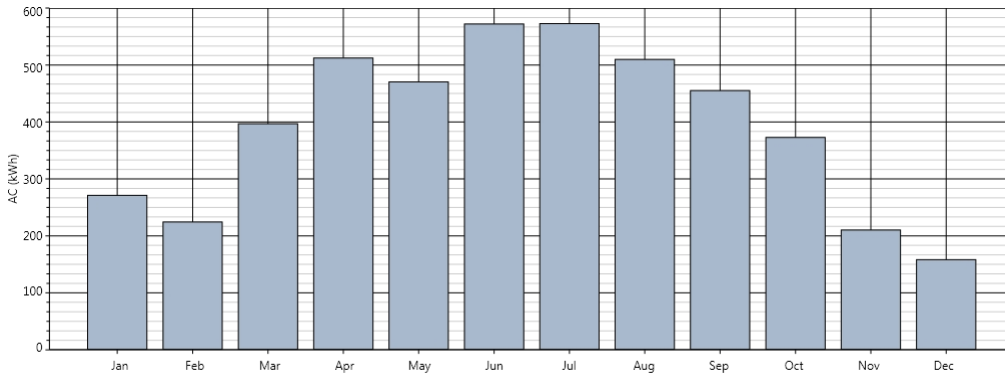
Design 1:

Design Properties:

Module Manufacturer: SunPower
 Module Model: SPR-220-BLK
 Inverter Manufacturer: SMA Technologie AG
 Inverter Model: Sunny Boy 3300
 Derate Factor: 0.79

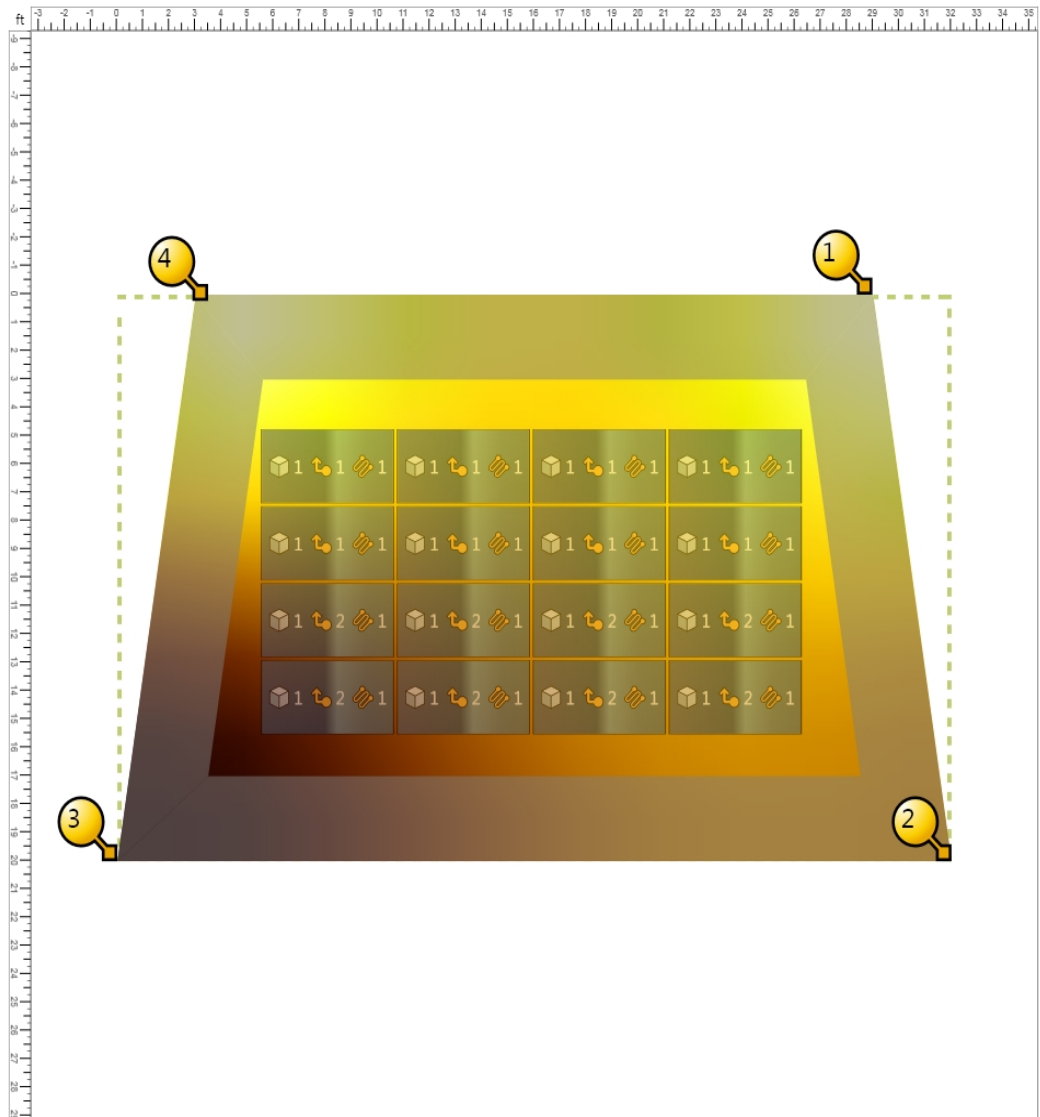
Month	Design 1 AC (kWh)
Jan	272.2
Feb	225.4
Mar	397.8
Apr	513.0
May	471.3
Jun	573.0
Jul	573.6
Aug	510.7
Sep	456.0
Oct	373.8
Nov	211.3
Dec	159.2
Annual	4737.2

Design Result Chart:



Layout View:

Length: 32.00 ft
 Width: 20.00 ft
 Azimuth: 169.00 °
 Slope: 26.57 °



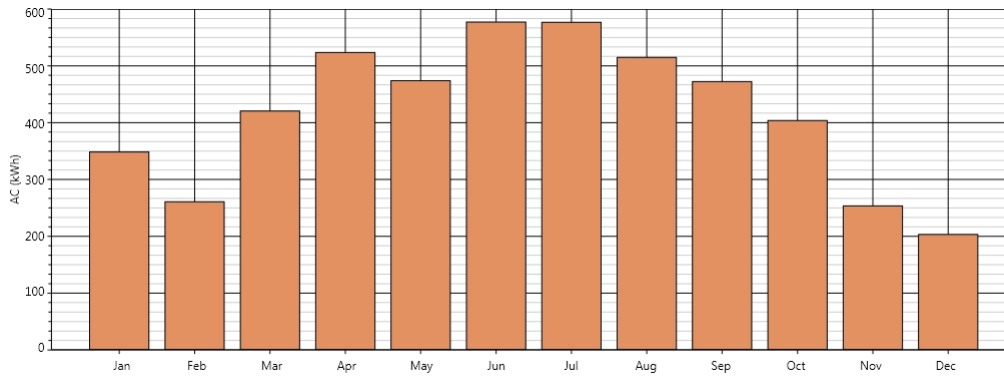
Design 1 - unshaded:

Design Properties:

Module Manufacturer: SunPower
 Module Model: SPR-220-BLK
 Inverter Manufacturer: SMA Technologie AG
 Inverter Model: Sunny Boy 3300
 Derate Factor: 0.79

Month	Design 1 - unshaded AC (kWh)
Jan	349.3
Feb	261.8
Mar	421.3
Apr	524.5
May	474.7
Jun	577.9
Jul	577.7
Aug	515.9
Sep	473.1
Oct	404.6
Nov	254.4
Dec	204.1
Annual	5039.4

Design Result Chart:



Layout View:

Length: 32.00 ft
 Width: 20.00 ft
 Azimuth: 169.00 °
 Slope: 26.57 °

