



Site Report

Report Name	
Report Date	8/8/2012 11:02:12 AM
Declination	-3d 22m
Location	Nashville, TN 37246
Lat/Long	36.166 / -86.784
Weather Station	Nashville Intl AP, TN, Elevation: 581 Feet, (36.117/-86.683)
Site Distance	7 Miles
Report Type	PV
Array Type	Fixed Angle
Tilt Angle	36.00 deg
Ideal Tilt Angle	36.17 deg
Azimuth	180.00 deg
Ideal Azimuth	180.00 deg
Electric Cost	0.22 (\$/KWH)
Panel Make	SolarWorld
Panel Model	SW240 mono
Panel Count	20
DC Rate (per panel)	240.0 Watts
Total System Size	4,800.0 Watts
Inverter Make	SMA America
Inverter Model	SB5000US-11 (240V)
Inverter Count	1
Derate Method	System Setting
Derate Factor	0.800
Layout Configuration	Single Picture
Layout Point Count	1

Notes: Love Circle, Nashville, TN



System Picture Layout

Layout Type

Single Picture

Layout Point Count

1





Summary Report

Solar Obstruction Data

Month	Unshaded % of Ideal Site Azimuth=180 Tilt=36.17	Actual Shaded Solar Radiation Azimuth=180.0 Tilt=36.0 KWhr/m ²	Actual Shaded AC Energy (KWH) Azimuth=180.00 Tilt=36.00	PV Solar Cost Savings 0.22 (\$/KWH)
January	100.00 %	3.11	370.00	\$81.40
February	100.00 %	4.24	461.00	\$101.42
March	100.00 %	4.89	558.00	\$122.76
April	100.00 %	5.53	585.00	\$128.70
May	100.00 %	5.38	571.00	\$125.62
June	100.00 %	5.95	604.00	\$132.88
July	100.00 %	5.69	593.00	\$130.46
August	100.00 %	5.81	603.00	\$132.66
September	100.00 %	5.08	522.00	\$114.84
October	100.00 %	5.20	572.00	\$125.84
November	100.00 %	3.82	417.00	\$91.74
December	100.00 %	3.28	381.00	\$83.82
Totals	100.00%	57.99	6,237.00	\$1,372.14
	Unweighted	Effect: 99.92%		
	Yearly Avg	Sun Hrs: 4.83		

Notes: Love Circle, Nashville, TN



Solar Site Analysis Report

Image File: "Open Site SPF Cropped.jpg"

Layout Point: 1

Solar Obstruction Data

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