



Mississippi Solar, LLC Site Report

Report Name	Gage Rose- path finder report- 02-08-2012
Report Date	2/8/2012 5:26:43 PM
Declination	-1d 37m
Location	Tupelo, MS 38801
Lat/Long	34.234 / -88.739
Weather Station	Tupelo Muni-C D Lemons AP, MS, Elevation: 361 Feet, (34.267/-88.767)
Site Distance	3 Miles
Report Type	PV
Array Type	Fixed Angle
Tilt Angle	5.00 deg
Ideal Tilt Angle	34.23 deg
Azimuth	178.40 deg
Ideal Azimuth	180.00 deg
Electric Cost	0.22 (\$/kWh)
Panel Make	SolarWorld
Panel Model	SW240 Poly
Panel Count	4
DC Rate (per panel)	240.0 Watts
Total System Size	960.0 Watts
Inverter Make	Enphase Energy
Inverter Model	M215-60-SLL-S2x
Inverter Count	4
Derate Method	System Setting
Derate Factor	0.780
Layout Configuration	Single Picture
Layout Point Count	1

Notes: path finder at Tupelo at high school maintnace shed

Layout Type

Single Picture

Layout Point Count

1





Mississippi Solar, LLC Summary Report

Solar Obstruction Data (Part 1 of 2)

Month	Unshaded % of Ideal Site Azimuth=180 Tilt=34.23	Actual Shaded Solar Radiation Azimuth=178.4 Tilt=5.0 kWh/m ²	Actual Shaded AC Energy (kWh) Azimuth=178.40 Tilt=5.00	Actual Unshaded AC Energy (kWh) Azimuth=178.4 Tilt=5.00	Ideal Unshaded AC Energy (kWh) Azimuth=180.0 Tilt=34.23	PV Solar Cost Savings 0.22 (\$/kWh)
January	98.27 %	1.55	32.00	32.00	39.00	\$7.04
February	99.52 %	2.81	53.87	54.00	66.00	\$11.85
March	99.32 %	4.51	97.00	97.00	111.00	\$21.34
April	99.99 %	5.72	118.00	118.00	118.00	\$25.96
May	100.00 %	6.10	128.00	128.00	118.00	\$28.16
June	99.84 %	6.51	129.00	129.00	117.00	\$28.38
July	99.73 %	5.52	111.00	111.00	105.00	\$24.42
August	99.90 %	6.34	130.00	130.00	125.00	\$28.60
September	99.52 %	5.45	109.79	110.00	120.00	\$24.15
October	99.66 %	4.45	97.00	97.00	121.00	\$21.34
November	98.82 %	2.61	54.65	55.00	75.00	\$12.02
December	99.01 %	2.22	48.00	48.00	74.00	\$10.56
Totals	99.47%	53.80	1,108.31	1,109.00	1,189.00	\$243.83
	Unweighted	Effect: 93.33%				
	Yearly Avg	Sun Hrs: 4.48				

Notes: path finder at Tupelo at high school maintrance shed



Mississippi Solar, LLC Summary Report

Solar Obstruction Data (Part 2 of 2)

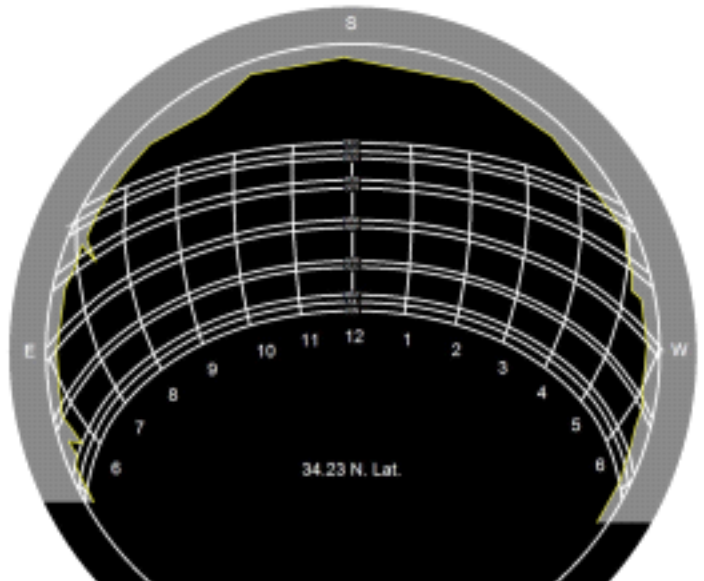
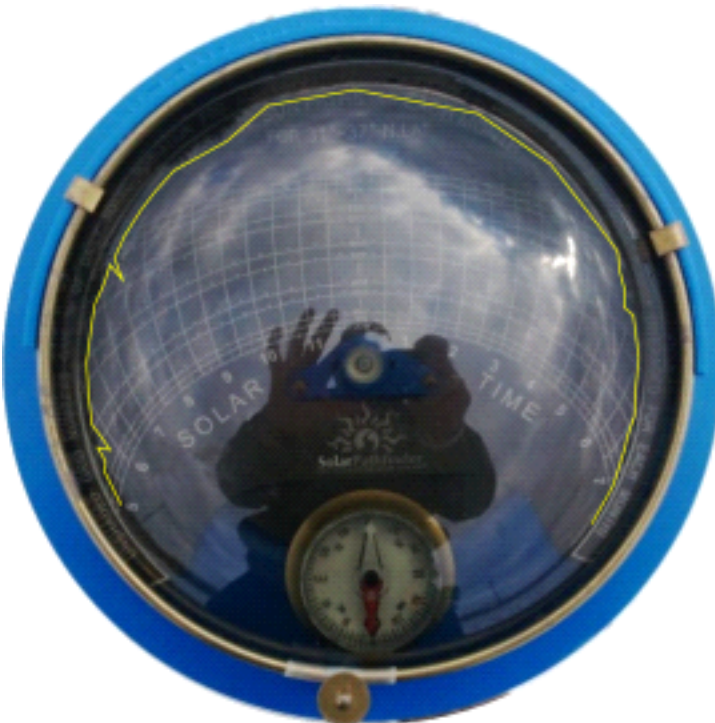
Month	PVWatts Unshaded % Actual Site Azimuth=178.4 Tilt=5.00	Actual Site Efficiency % Azimuth=178.4 Tilt=5.00	Ideal Site Efficiency % Azimuth=180.0 Tilt=34.23
January	98.12 %	84.26 %	98.04 %
February	99.14 %	81.56 %	98.89 %
March	99.43 %	87.49 %	99.31 %
April	100.00 %	98.49 %	99.99 %
May	100.00 %	100.00 %	99.98 %
June	99.90 %	100.00 %	99.92 %
July	99.72 %	100.00 %	99.72 %
August	99.93 %	100.00 %	99.91 %
September	99.46 %	90.24 %	99.57 %
October	99.52 %	79.44 %	99.55 %
November	98.42 %	72.45 %	97.89 %
December	98.88 %	68.67 %	98.22 %
Totals	99.38 %	88.55 %	99.25 %
	Unweighted	Unweighted	Unweighted
	Yearly Avg	Yearly Avg	Yearly Avg

Image File: "Roof Pathfinder.jpg"

Layout Point: 1

Solar Obstruction Data (Part 1 of 2)

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Mississippi Solar, LLC Solar Site Analysis Report

Image File: "Roof Pathfinder.jpg"

Layout Point: 1

Solar Obstruction Data (Part 2 of 2)			
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	Unweighted	Unweighted	Unweighted
	Yearly Avg	Yearly Avg	Yearly Avg