Zilles

Site Report

Report Name

 Report Date
 2018-10-22

 Declination
 -9d 57m

Location Lat/Long specified

Lat/Long 43.5 / -80.1

Weather Station Toronto Int'l, ON, Elevation: 568 Feet, (43.667 / -79.633)

Site Distance 26 Miles

Report Type PV

Array Type Fixed Angle
Tilt Angle 32.50 deg
Ideal Tilt Angle 0.00 deg
Azimuth 180.00 deg
Ideal Azimuth 180.00 deg

Electric Cost 0.05 (\$/kWh)

Module Make CSUN Eurasia Energy Systems Industry and Trade

Module ModelCSUN275-60PModule TypeStandardModule Count40DC Rate (per module)275.0 Watts

TSRF 74.7% **STC System Size** 11.00 kW

STC System Size 11.00 kW
DC System Size 8.22 kW
AC System Size 6.99 kW

Inverter Make ABB

Inverter Model PVI-5000-OUTD-US-A [240V]

PV Optimizer Name not provided

Inverter Count1Inverter Efficiency95.5%System Loss Percentage11.0%AC Energy Efficiency90.4%

Layout Configuration Single Picture

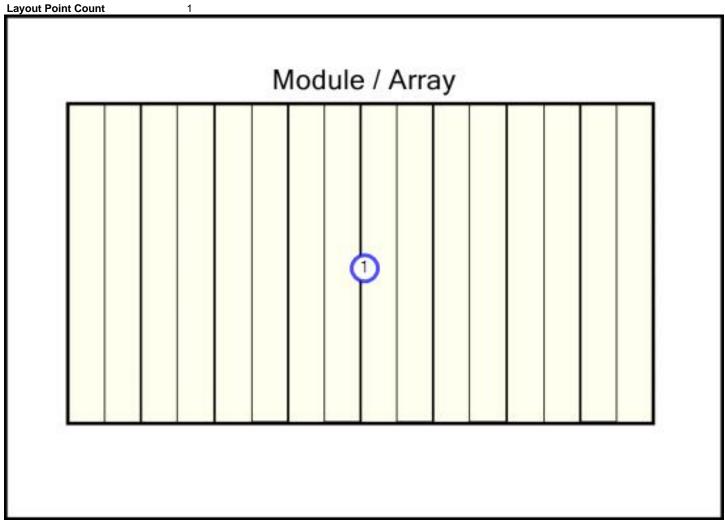
Layout Point Count 1

Notes: [None]



System Picture Layout

Layout Type Single Picture





Solar Obstruction Data (Part 1 of 2)

Month	Unshaded % of Ideal Site Azimuth=180 Tilt=43.5	Ideal Unshaded Solar Radiation Azimuth=180. 0 Tilt=0.0 kWh/m²/day	Actual Unshaded Solar Radiation Azimuth=180. 0 Tilt=32.5 kWh/m²/day	Actual Shaded Solar Radiation Azimuth=180. 0 Tilt=32.5 kWh/m²/day	Unshaded % of Actual Site Azimuth=180. 0 Tilt=32.5	Total Solar Resource Fraction (TSRF) (Actual vs Ideal)	Ideal Site Efficiency Azimuth=180. 0 Tilt=0.0	AC Energy Efficiency (Actual vs Ideal)
January	41.1%	1.48	2.50	1.02	40.7%	69.0%	41.3%	117.6%
February	59.2%	2.27	3.33	1.98	59.5%	87.0%	60.0%	114.1%
March	45.6%	3.19	3.97	1.81	45.7%	56.9%	45.3%	80.8%
April	67.4%	4.36	4.83	3.23	67.0%	74.2%	66.2%	86.6%
May	84.4%	5.60	5.63	4.74	84.2%	84.6%	81.8%	90.3%
June	81.2%	6.14	5.92	4.79	81.0%	78.1%	78.3%	84.6%
July	80.3%	6.02	5.93	4.72	79.6%	78.4%	77.0%	85.0%
August	73.3%	5.15	5.47	3.97	72.6%	77.1%	71.1%	87.4%
September	53.1%	4.08	4.96	2.62	52.8%	64.2%	52.1%	84.2%
October	53.5%	2.56	3.50	1.85	52.8%	72.4%	53.2%	99.1%
November	53.1%	1.30	1.87	0.99	52.9%	76.3%	52.9%	111.5%
December	31.2%	1.07	1.83	0.57	30.9%	52.8%	30.8%	109.8%
Totals	60.3% Unweighted Yearly Avg	Effect: 100.0%	49.74 Effect: 100.0% Sun Hrs: 4.14		64.9% Unweighted Yearly Avg	Unweighted	Unweighted	90.4%

Solar Obstruction Data (Part 2 of 2)

Month	Actual Shaded AC Energy (kWh) Azimuth=180.0 Tilt=32.5	Actual Unshaded AC Energy (kWh) Azimuth=180.0 Tilt=32.5	Ideal Unshaded AC Energy (kWh) Azimuth=180.0 Tilt=0.0	PV Solar Cost Savings 0.05 (\$/kWh)
January	455.80	748.70	387.53	\$22.79
February	665.06	901.61	582.72	\$33.25
March	743.78	1,159.48	921.08	\$37.19
April	1,032.31	1,313.31	1,192.22	\$51.62
May	1,398.53	1,540.96	1,548.74	\$69.93
June	1,342.53	1,510.29	1,586.33	\$67.13
July	1,335.64	1,520.19	1,570.80	\$66.78
August	1,175.36	1,419.08	1,344.21	\$58.77
September	889.86	1,285.26	1,056.47	\$44.49
October	681.63	986.47	687.49	\$34.08
November	338.99	485.79	304.12	\$16.95
December	290.04	537.65	264.05	\$14.50
Totals	10,349.52	13,408.78	11,445.77	\$517.48

Notes: [None]

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Solar Site Analysis Report

Layout Point 1

Image File: House 3 left (S).jpg

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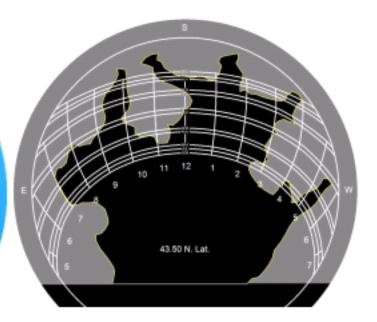
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