



gREaT (gippsland Renewable Energy and Technologies) Site Report

Report Name Example Site
Report Date 24/02/2011 3:14:30 PM
Declination 11d 54m
Location Lat/Long specified
Lat/Long -38.2 / 145.45
Weather Station Moorabbin Airport, VIC, Elevation: 13 Meters, (-37.983/145.100)
Site Distance 39 Kilometers

Report Type PV

Array Type Fixed Angle
Tilt Angle 22.50 deg
Ideal Tilt Angle 38.20 deg
Azimuth 31.90 deg
Ideal Azimuth 0.00 deg

Electric Cost 0.4 (\$/KWH)
Panel Make Suntech Power
Panel Model STP190S-24/Ad+
Panel Count 8
DC Rate (per panel) 190.0 Watts
Total System Size 1,520.0 Watts
Inverter Make SMA America
Inverter Model SB2000HFUS-30 (240V)
Inverter Count 1
Derate Method System Setting
Derate Factor 0.950

Layout Configuration Single Picture
Layout Point Count 1

Notes: [None]

Layout Type

Single Picture

Layout Point Count

1



Solar Obstruction Data

Month	Actual Shaded Solar Radiation Azimuth=31.9 Tilt=22.5 KWhr/m ²	Actual Unshaded AC Energy (KWH) Azimuth=31.9 Tilt=22.50	PV Solar Cost Savings 0.4 (\$/KWH)	PVWatts Unshaded % Actual Site Azimuth=31.9 Tilt=22.50	Actual Site Efficiency % Azimuth=31.9 Tilt=22.50	Ideal Site Efficiency % Azimuth=0.0 Tilt=38.20
January	6.37	276.00	\$107.53	95.78 %	100.00 %	95.17 %
February	6.28	240.00	\$95.16	98.10 %	100.00 %	98.11 %
March	5.23	222.00	\$88.27	98.07 %	97.16 %	98.43 %
April	3.67	154.00	\$60.82	97.71 %	90.27 %	97.75 %
May	2.52	110.00	\$43.82	97.89 %	87.65 %	97.81 %
June	1.97	84.00	\$33.20	97.07 %	87.19 %	96.58 %
July	2.59	116.00	\$46.40	98.73 %	87.39 %	98.59 %
August	2.80	129.00	\$50.49	95.52 %	89.42 %	95.88 %
September	4.19	183.00	\$72.12	97.65 %	95.43 %	98.57 %
October	4.74	210.00	\$82.99	97.16 %	100.00 %	97.96 %
November	5.89	252.00	\$99.53	97.46 %	100.00 %	97.93 %
December	6.14	269.00	\$104.53	95.44 %	100.00 %	95.35 %
Totals	52.37	2,245.00	\$884.86	97.22 %	94.54 %	97.34 %
	Effect: 98.42%			Unweighted	Unweighted	Unweighted
	Sun Hrs: 4.37			Yearly Avg	Yearly Avg	Yearly Avg

Notes: [None]

Image File: "101_2370.JPG"
Layout Point: 1

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	Effect: 98.42%			Unweighted	Unweighted	Unweighted
	Sun Hrs: 4.36			Yearly Avg	Yearly Avg	Yearly Avg

