

NSol! Grid System Summary

Solar Power

FearTheSkunk

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Site Summary

Site Name:
Location: SAINT CLOUD, MN, USA
Latitude: 45.55N **Longitude:** 94.07W **Elevation:** 313 m
Comments: NREL : 14926

System Performance

Annual Output: 775 MWh/yr
Tilt: 35S **Azimuth:** 0E **Tracking:** Fixed

System Summary

PV (Module / Array)

Model: KD245
Rating: 245 545.4 kWp
Modules: 2,226
Config: xxx
Vtyp: 29.80
Ityp: 8.23
Voc: 36.90
Isc: 8.91
Volts: 417

Inverter:

Model: Generic GT50
Rating: 500.0 kVA
Voltage: 120 VAC / 1Phase
Max Voc: 600 kVA
Type: Off-Grid
Efficiency: 9600.0 kVA

Grid System Energy Output Analysis

Month	Array Insol (kWh/m2/d)	Avg Temp (deg C)	Mod Output (WhDC/day)	Sys Losses (%)	Array Output (kWhDC/mo)	Sys Output (kWhAC/mo)
Jan	3.18	-13.3	833	10	51,758	49,688
Feb	4.35	-9.8	1,123	10	62,989	60,469
Mar	4.82	-2.4	1,218	10	75,632	72,606
Apr	5.07	6.4	1,247	10	74,945	71,947
May	5.53	13.3	1,332	10	82,746	79,437
Jun	5.92	18.2	1,400	10	84,125	80,760
Jul	6.09	21.2	1,423	10	88,359	84,824
Aug	5.56	19.5	1,310	10	81,366	78,112
Sep	4.61	14.1	1,111	10	66,759	64,088
Oct	3.72	7.7	920	10	57,129	54,844
Nov	2.77	-1.3	705	10	42,401	40,705
Dec	2.41	-9.9	630	10	39,135	37,569
Annual kWh						775,050

