

REGIONAL PV ENERGY OUTPUT

Annual Solar Irradiance & Yield Analysis

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2.0 - 3.5 kWh/kWp
3.6 - 5.0 kWh/kWp
5.1 - 6.5 kWh/kWp
6.6+ kWh/kWp

PEAK DAILY OUTPUT **6.82 kWh/m²**

REGIONAL AVERAGE **4.15 kWh/m²**

PERFORMANCE RATIO **82.4%**

Sub-Region	Global Horizontal Irradiance	Specific Yield (Annual)	Trend
Northern Sector	1,240 kWh/m ²	980 kWh/kWp	-1.2%
Central Highlands	1,850 kWh/m ²	1,420 kWh/kWp	+3.4%
Coastal Plains	2,100 kWh/m ²	1,680 kWh/kWp	+0.8%

Data sourced from National Renewable Energy Laboratory (NREL) satellite modeling. Values are estimates based on 10-year historical averages.