

Tiger Neo 3.0: LCOE Winner



Kagoshima, Japan 500KW

Monsoon climate - four distinct seasons, mild climate
Annual average irradiance: **1387-1460kWh/m²**

Product Type	Tiger Neo 3.0	N-Type BC
Module Power	670W	670W
Module Efficiency	24.8%	24.8%
Module Price	Same Price	
Low Irradiance Performance (200W/m²)	96.77%	94.28%
BOS Difference	No Difference	Benchmark
First-year Power Generation / MWh	730	726
30-year Cumulative Power Generation /MWh	20,777	20,664
Power Generation Gain	0.54%	Benchmark
LCOE	-1.00%	Benchmark

*Distributed rooftop project; power generation is based on PVsyst simulation with Albedo=0

Berlin, Germany 1MW

Climate type: Temperate marine climate - cloudy and rainy
Annual average irradiance: **1100-1300kWh/m²**

Product Type	Tiger Neo 3.0	N-Type BC
Module Power	670W	670W
Module Efficiency	24.8%	24.8%
Module Price	Same Price	
Low Irradiance Performance (200W/m²)	96.77%	94.28%
BOS Difference	No Difference	Benchmark
First-year Power Generation / MWh	1,040	1,032
30-year Cumulative Power Generation /MWh	24,897	24,705
Power Generation Gain	0.77%	Benchmark
LCOE	-1.11%	Benchmark

*Distributed rooftop project; power generation is based on PVsyst simulation with Albedo=0

Dubai, UAE 100MW

Climate type: High temperature and high irradiance
Annual average irradiance: **1700-1850kWh/m²**

Product Type	Tiger Neo 3.0	N-Type BC
Module Power	670W	670W
Module Efficiency	24.8%	24.8%
Module Price	Same Price	
Bifaciality	85%±5%	70%±5%
Low Irradiance Performance (200W/m²)	96.77%	94.28%
BOS Difference	No Difference	Benchmark
First-year Power Generation / MWh	184,032	177,554
30-year Cumulative Power Generation /MWh	5,237,941	5,053,563
Power Generation Gain	3.52%	Benchmark
LCOE	-3.45%	Benchmark

*Centralized ground power station; power generation is based on PVsyst simulation with Albedo=20

Qinghai, China 120MW

Climate type: High temperature and high irradiation
Annual average irradiance: **1700-1850kWh/m²**

Product Type	Tiger Neo 3.0	N-Type BC
Module Power	670W	670W
Module Efficiency	24.8%	24.8%
Module Price	Same Price	
Bifaciality	85%±5%	70%±5%
Low Irradiance Performance (200W/m²)	96.77%	94.28%
BOS Difference	No Difference	Benchmark
First-year Power Generation / MWh	171,840	166,205
30-year Cumulative Power Generation /MWh	4,890,931	4,730,547
Power Generation Gain	3.28%	Benchmark
LCOE	-3.60%	Benchmark

*Centralized ground power station; power generation is based on PVsyst simulation with Albedo=20