

Solar Panel Comparison

Manufacturer	NexPower Technology
Model	NH-100AT_4A
STC Rated Power Output (W)	100
Voltage at Rated Power (V)	37.50
Current at Rated Power (A)	2.66
Open Circuit Voltage (V)	50.50
Short Circuit Current (A)	3.30
Fill Factor	60.0%
Panel Efficiency	6.3%
Power Tolerance	-10.00% ~ 10.00%
Power Temperature Coefficiency (%/°C)	
Temperature Coefficiency VOC (%/°C)	
Temperature Coefficiency ISC (%/°C)	
NOCT (°C)	
Panel Height (mm)	1414
Panel Width (mm)	1114
Panel Depth (mm)	35
Panel Area (M ²)	1.58
Panel Weight (kg)	20.5
Material/Output Warranty (Years)	
PTC Power Output (W)	
PTC/STC Ratio	
Estimated Power At NOCT (W)	

- PTC Power: The output power under PVUSA Test Conditions. 1000 W/M2 solar irradiance, 20°C ambient air temperature, and 1m/s wind speed at 10 meters above ground level.
- Estimated Power At NOCT: The estimated output power under the NOCT conditions: 800 W/M2 solar irradiance, 20°C ambient air temperature, and 1m/s wind speed.