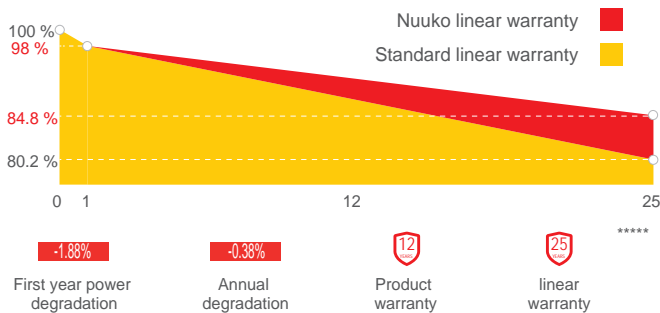


LIVE UP TO GOOD SUNSHINE

NKP-60 (157mm Cell) 270-285 Watt

POLY CRYSTALLINE MODULE

Industry-leading Warranty based on nominal power



Features



IP68 junction box, connector

IP68 junction box and connector have a high degree of waterproof, effectively resist the harsh environment;



15A current

The junction box carries a current of 15A, ensuring high current flow through the modules;



PID Resistant

Excellent PID resistance at 96 hours (85°C/85%) test, and also can be improved to meet higher standards for the particularly harsh environment;



Super strong frame

Glue-spilled tank has a double-layer waterproof, cross-section with hook-shaped aluminum frame, enhanced by 10% of the mechanical load strength;



Anti-Crack

Excellent anti-microcracking performance with more balanced interior stress;

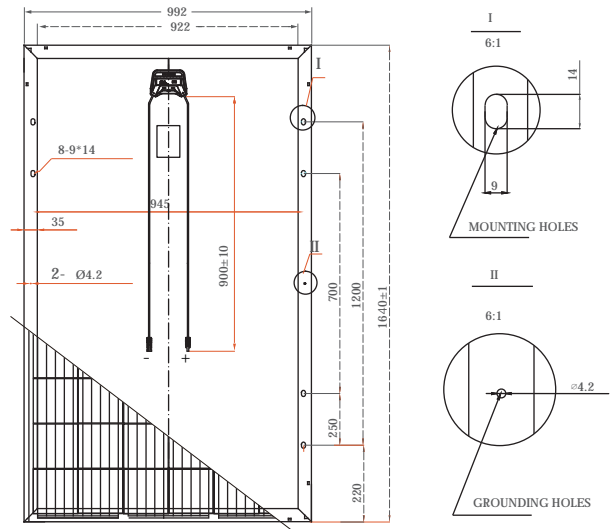


Strong mechanical load capacity

Passed the 2400pa wind load and 5400pa snow load test, ensuring that the module has a stable mechanical life;

MECHANICAL SPECIFICATIONS

Cell Type	Polycrystalline
Cell Dimensions	157*157mm
Cell Arrangement	60 (6*10)
Weight	19kg
Module Dimensions	1640*992*35mm
Connector type	MC4 Compatible
Output Cables	TUV,±length 900mm,4.0mm ²
Front Glass	3.2mm, Low Iron Tempered Glass
No. of Bypass Diodes	3
Packing Configuration (1)	31pcs/carton, 952pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68



ELECTRICAL SPECIFICATIONS

Module Type	NKP270-60M2		NKP275-60M2		NKP280-60M2		NKP285-60M2	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition								
Rated output (Pmp/Wp)	270	200	275	204	280	207	285	211
Maximum Power Voltage(Vmpp/V)	31.2	29.0	31.4	29.2	31.6	29.3	31.8	29.6
Maximum Power Current(Imp/A)	8.65	6.89	8.76	6.99	8.86	7.07	8.96	7.14
Open Circuit Voltage(Voc/V)	37.2	34.4	38.0	35.1	38.5	35.6	38.7	35.8
Short Circuit Current(Isc/A)	9.06	7.33	9.18	7.43	9.29	7.52	9.38	7.59
Module efficiency(%)	16.6%		16.9%		17.2%		17.5%	
Power Tolerance (W)	0~+5		0~+5		0~+5		0~+5	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

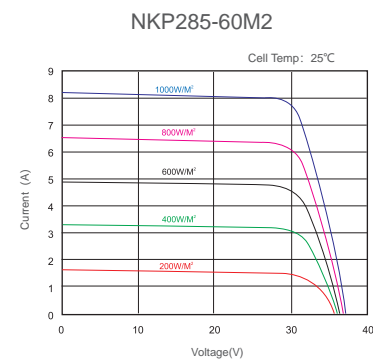
MAXIMUM RATINGS

Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	15A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2

TEMPERATURE CHARACTERISTICS

NMOT Temperature	45°C±2°C
Temperature Coefficient (Pmax)	-0.41%/°C
Temperature Coefficient (Voc)	-0.33%/°C
Temperature Coefficient (Isc)	0.06%/°C

CURVE & TEMPERATURE DEPENDENC



Power voltage current curve at different temperature

