



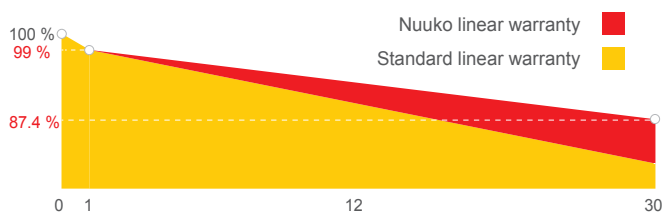
LIVE UP TO GOOD SUNSHINE

NKM-132 N-type (182mm Cell)

535-555 Watt

BIFACIAL MODULE

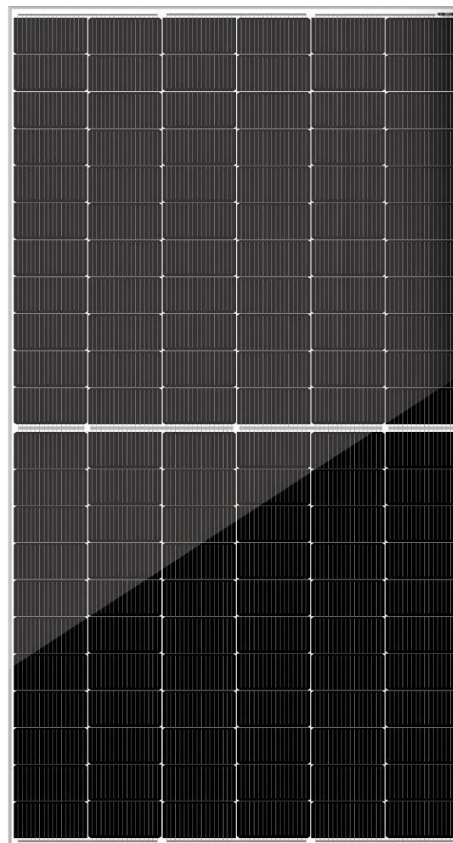
Industry-leading Warranty based on nominal power



* 0.4% Annual Degradation over 30 Years

* 12 Year Product Warranty

* 30 Year Linear Power Warranty



Features



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset



Extended wind and snow load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.

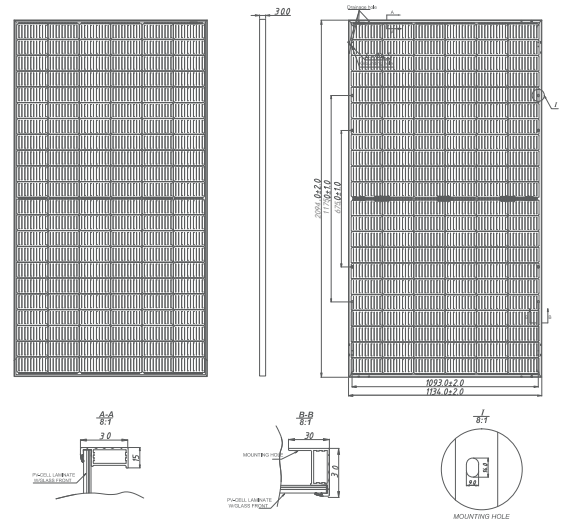


Lower LCOE

Higher bifaciality, higher power output and lower BOS cost

MECHANICAL SPECIFICATIONS

Cell Type	N type Mono-crystalline
Cell Arrangement	132 (6*22)
Weight	30KG
Module Dimensions	2094*1134*30mm
Cable Length	4.0mm ² , ±300mm or Customized length
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
No. of Bypass Diodes	3/6
Packing Configuration	36pcs/pallet, 792pcs/40HQ
Frame	Anodized Aluminium Alloy
Junction Box	IP68



ELECTRICAL SPECIFICATIONS

Module Type	NKM535N-132BDM10		NKM540N-132BDM10		NKM545N-132BDM10		NKM550N-132BDM10		NKM555N-132BDM10	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated output (Pmp/Wp)	535	404	540	408	545	412	550	415	555	419
Maximum Power Voltage(Vmpp/V)	39.31	36.56	39.46	36.70	39.61	36.84	39.76	36.98	39.91	37.12
Maximum Power Current(Imp/A)	13.61	11.05	13.68	11.11	13.76	11.17	13.83	11.23	13.91	11.29
Open Circuit Voltage(Voc/V)	47.13	44.64	47.28	44.78	47.43	44.92	47.58	45.06	47.73	45.20
Short Circuit Current(Isc/A)	14.38	11.68	14.45	11.74	14.52	11.80	14.59	11.86	14.66	11.92
Module efficiency(%)	22.5%		22.7%		23.0%		23.2%		23.4%	
Power Tolerance (W)	0~+5		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

BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum Power(Pmax)	562	567	572	578	583
	Module Efficiency STC (%)	23.7%	23.9%	24.1%	24.3%	24.6%
15%	Maximum Power(Pmax)	615	621	627	633	638
	Module Efficiency STC (%)	25.9%	26.2%	26.4%	26.7%	26.9%
25%	Maximum Power(Pmax)	669	675	681	688	694
	Module Efficiency STC (%)	28.2%	28.4%	28.7%	29.0%	29.2%

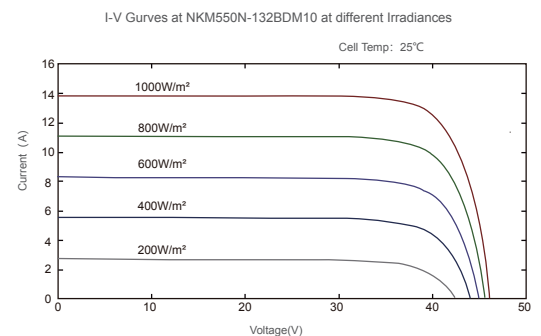
MAXIMUM RATINGS

Maximum System Voltage	1000V/1500V DC (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	30A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Protection Class	II
Fire Type	Class C (IEC)
Bifacia	80±5%

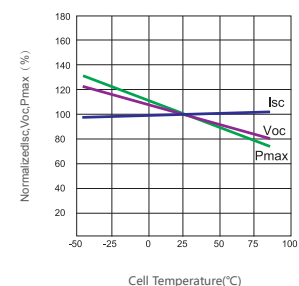
TEMPERATURE CHARACTERISTICS

NMOT Temperature	45°C±2°C
Temperature Coefficient (Pmax)	-0.29%/°C
Temperature Coefficient (Voc)	-0.25%/°C
Temperature Coefficient (Isc)	0.045%/°C

CURVE & TEMPERATURE DEPENDENCE



Power voltage current curve at different temperature



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