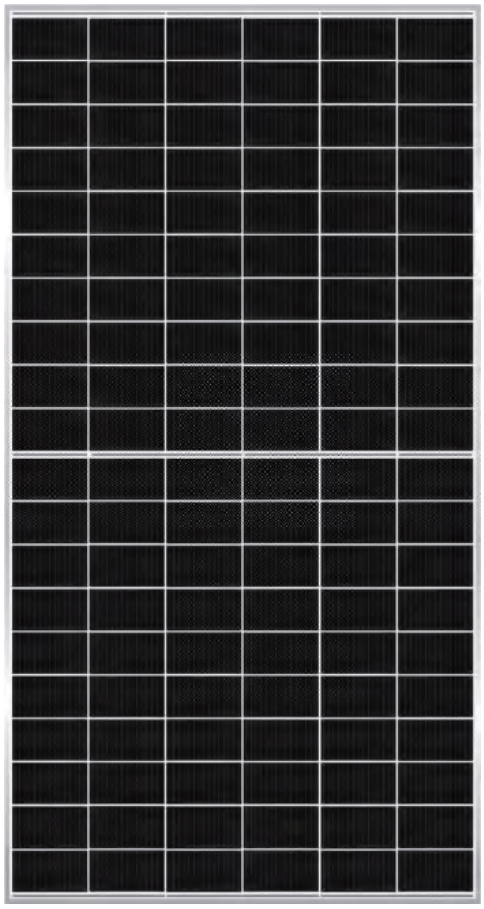
LIVE UP TO GOOD SUNSHINE

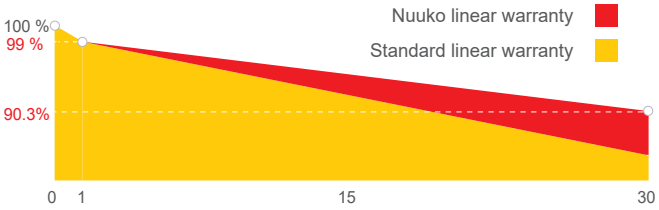
NKM-120（210mm Cell）HJT

610-640 Watt

Bifacial HJT Solar Module



Industry-leading Warranty based on nominal power



* 0.3% Annual Degradation over 30 Years
* 15 Year Product Warranty
* 30 Year Linear Power Warranty

Features

Higher Power Output

The output power is as high as 640W
Bifaciality is up to 90%
Provide up to 25% extra power from rear side

Less Power Loss

Unique half-cut cell technology reduces power loss
Anti-PID & LID
Promise a higher yield for PV system

Ideal Choice For Solar Projects

Lower BOS / Lower LCOE
Improved ROI

Enhanced Safety Level

IP68 water resistance
Long-term weather endurance

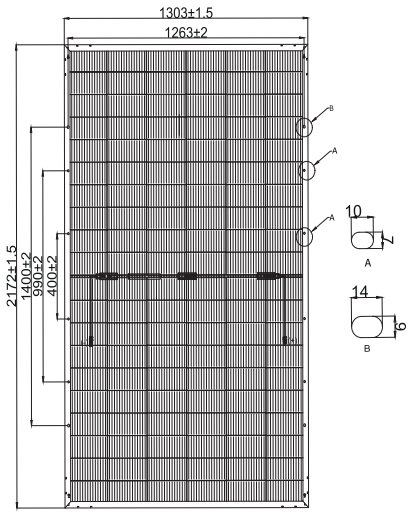
Excellent Linear Power Warranty

Average annual degradation below 0.3% from 2nd year to 30th year.
At least 5% higher power output than P-type module after 25 years.

NKM-120H

MECHANICAL SPECIFICATIONS

Cell Type	HJT Monocrystalline
Cell Arrangement	120 (2*60)
Weight	34.9kg
Module Dimensions	2172*1303*33mm
Cable	4.0mm², ±300mm or Customized length
Front Glass	2.0mm AR Coating Semi-tempered Glass
Back Glass	2.0mm Glazed Semi-tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	33pcs/carton, 594pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68



ELECTRICAL SPECIFICATIONS（STC）

Module Type	NKM610H-120BDG12	NKM615H-120BDG12	NKM620H-120BDG12	NKM625H-120BDG12	NKM630H-120BDG12	NKM635H-120BDG12	NKM640H-120BDG12
Rated output (Pmp/Wp)	610	615	620	625	630	635	640
Maximum Power Voltage(Vmpp/V)	37.58	37.82	38.06	38.30	38.54	38.78	39.01
Maximum Power Current(Impp/A)	16.10	16.13	16.16	16.19	16.22	16.25	16.28
Open Circuit Voltage(Voc/V)	44.60	44.77	44.95	45.13	45.30	45.48	45.65
Short Circuit Current(Isc/A)	17.10	17.13	17.16	17.19	17.22	17.25	17.28
Module efficiency(%)	21.6%	21.7%	21.9%	22.1%	22.3%	22.4%	22.6%
Power Tolerance (W)	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5	0~+5

*STC (Standard Test Condition): Irradiance 1000W/m2 , Cell Temperature 25 C, Air Mass 1.5
*Measurement Tolerance (±3.0%)

Electrical Characteristics with Different Rear Side Power Gain (Reference to 620 W Front)

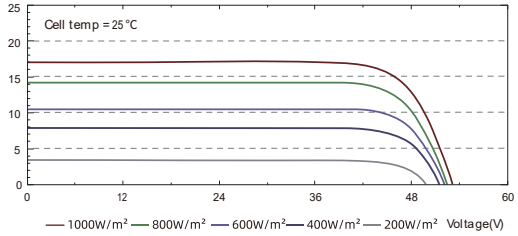
Pmax/W	651	682	713	744	775
Vmpp/V	38.06	38.06	38.06	38.06	38.06
Impp/A	16.97	17.78	18.58	19.39	20.20
Voc/V	44.95	44.95	44.95	44.95	44.95
Isc/A	18.02	18.88	19.73	20.59	21.45
Power Gains	5%	10%	15%	20%	25%

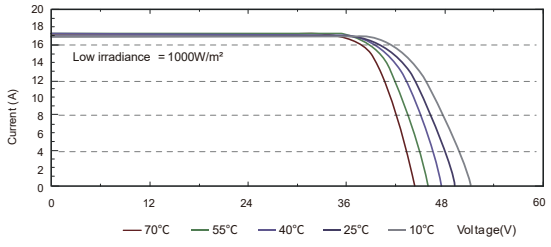
MAXIMUM RATINGS

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

CURVE & TEMPERATURE DEPENDENC

NKM630H-120BDG12





TEMPERATURE CHARACTERISTICS

NOCT Temperature	44°C±2°C
Temprature Coefficient (Pmax)	-0.24%/°C
Temprature Coefficient (Voc)	-0.22%/°C
Temprature Coefficient (Isc)	0.04%/°C

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