

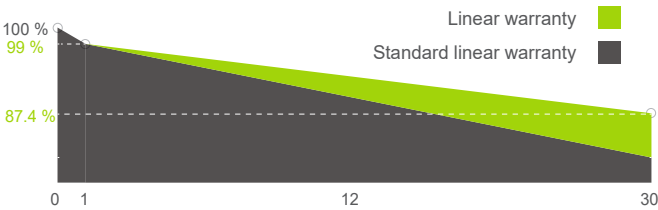


# EKO-108 N-type (182mm Cell)

## 420-440 Watt

MONOFACIAL MODULE

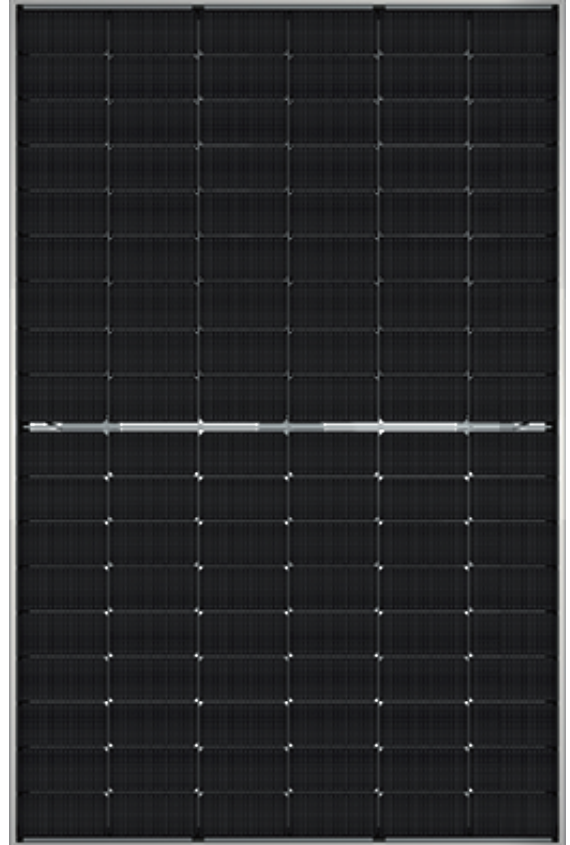
### Industry-leading Warranty based on nominal power



\* 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.

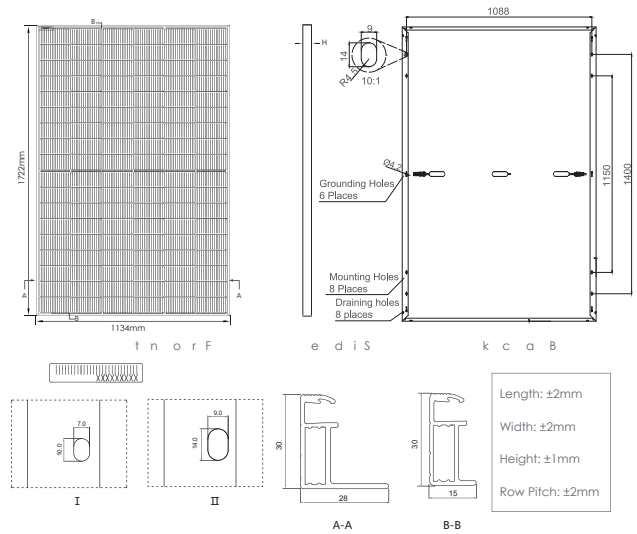


### Lower LCOE

Higher bifaciality, higher power output and lower BOS cost

## MECHANICAL SPECIFICATIONS

Cell Type	N TOPCon Monocrystalline
Cell Dimensions	182*182mm
Cell Arrangement	108 (9*12)
Weight	21.5kg
Module Dimensions	1722*1134*30mm
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm <sup>2</sup> /UL: 12AWG
Front Glass	3.2mm AR Coating Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	36pcs/Pallet; 936pcs/40HQ
Frame	Anodized Aluminium Alloy
Junction Box	IP68



## ELECTRICAL SPECIFICATIONS

Module Type	EKO420N-108M10		EKO425N-108M10		EKO430N-108M10		EKO435N-108M10		EKO440N-108M10	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated output (Pmp/Wp)	420	318	425	322	430	325	435	330	440	334
Maximum Power Voltage(Vmpp/V)	31.9	29.9	32.1	30.1	32.3	30.3	32.5	30.5	32.7	30.7
Maximum Power Current(Imp/A)	13.17	10.62	13.24	10.67	13.32	10.74	13.39	10.82	13.46	10.88
Open Circuit Voltage(Voc/V)	37.9	36.2	38.1	36.4	38.3	36.6	38.4	36.8	38.6	37.0
Short Circuit Current(Isc/A)	13.98	11.27	14.05	11.33	14.12	11.38	14.18	11.44	14.25	11.49
Module efficiency(%)	21.5%		21.8%		22.0%		22.3%		22.5%	
Power Tolerance (W)	0~+5		0~+5		0~+5		0~+5		0~+5	

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

## MAXIMUM RATINGS

Maximum System Voltage	1500V DC (IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	30A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ

## TEMPERATURE CHARACTERISTICS

NMOT Temperature	42°C±2°C
Temperature Coefficient (Pmax)	-0.30%/°C
Temperature Coefficient (Voc)	-0.25%/°C
Temperature Coefficient (Isc)	0.045%/°C

## CURVE & TEMPERATURE DEPENDENCE

