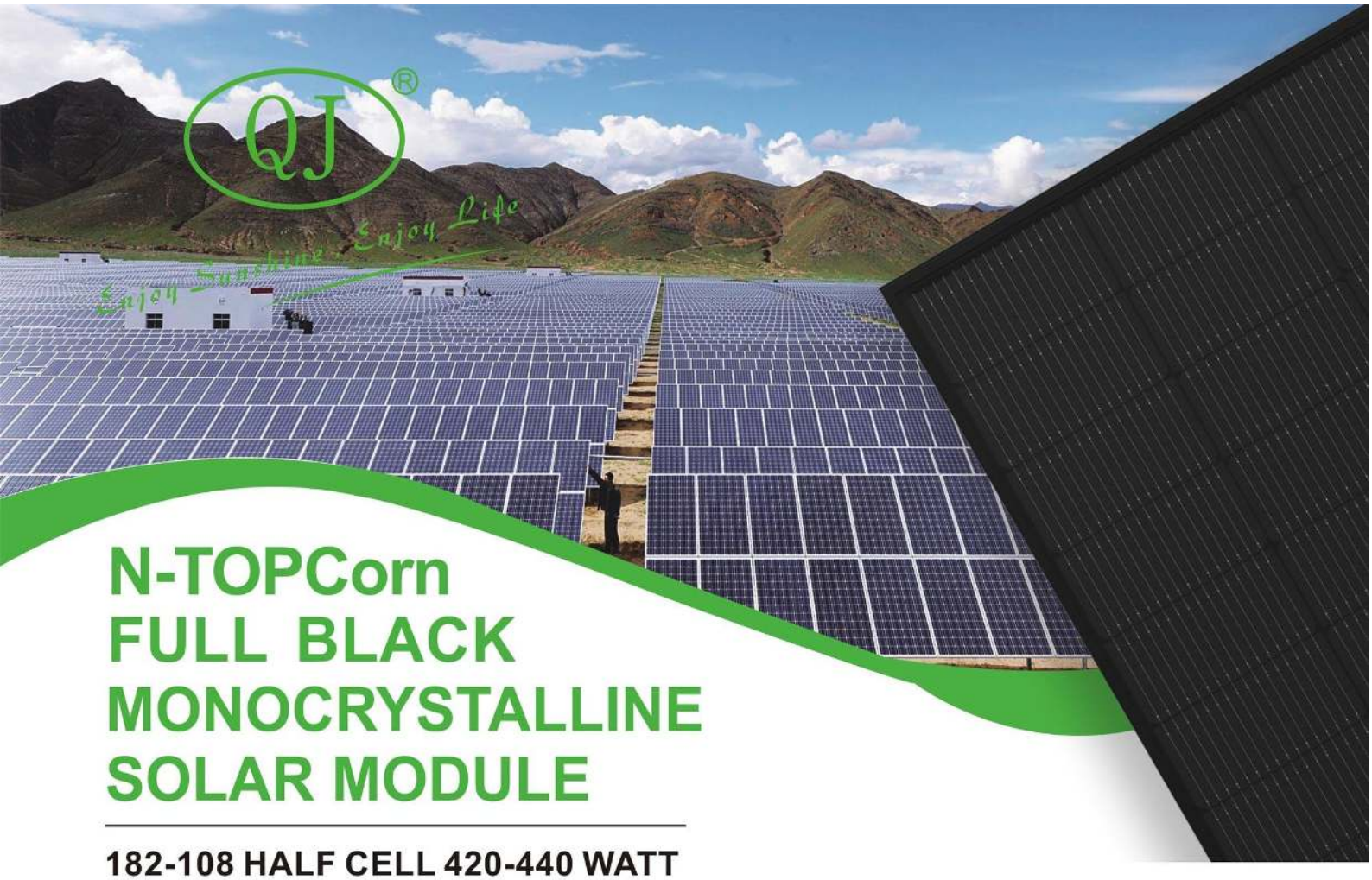


N-TOPCorn FULL BLACK MONOCRYSTALLINE SOLAR MODULE

182-108 HALF CELL 420-440 WATT

QJ Solar linear warranty

12 Years
Limited Product Warranty

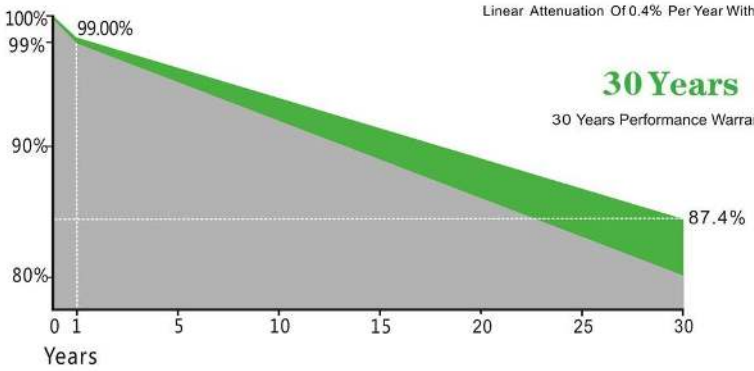
30 Years
Performance Warranty

New Linear Power Warranty
Standard Linear Power Warranty

1%
The first Year Degradation

0.4%
Linear Attenuation Of 0.4% Per Year Within 30 Years

30 Years
30 Years Performance Warranty



The solar panel characteristics

- SMBB Cell Design
- Low Degradation
- High Reliability
- Excellent Low-light Performance
- PID Resistant

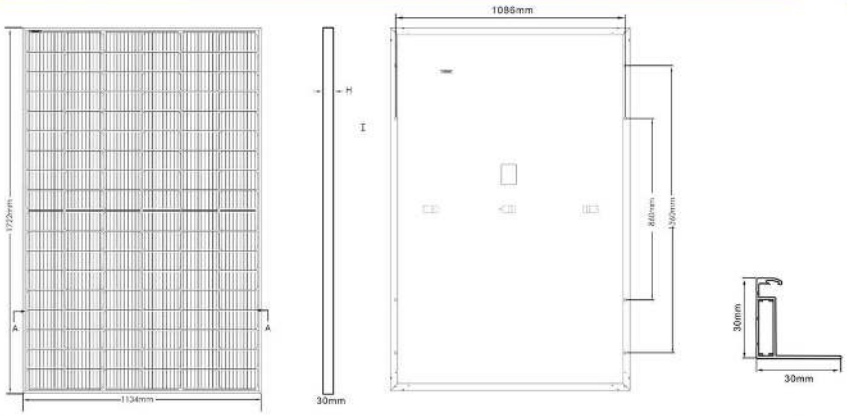
N-TOPCorn FULL BLACK MONOCRYSTALLINE 182-108 HALF CELL 420-440 WATT

Enjoy Sunshine, Enjoy Life

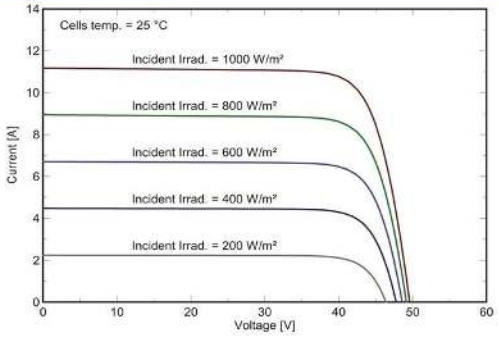
ELECTRICAL PERFORMANCE:

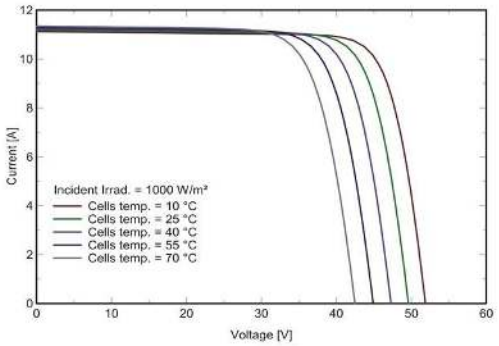
Module Type	QJM420-108HNB		QJM425-108HNB		QJM430-108HNB		QJM435-108HNB		QJM440-108HNB	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	420WP	317WP	425WP	320WP	430WP	323WP	435WP	327WP	440WP	331WP
Maximum Power Voltage (Vmp)	31098V	29.76V	32.18V	29.99V	32.38V	30.10V	32.59V	30.33V	32.81V	30.56V
Maximum Power Current (Imp)	13.14A	10.61A	13.21A	10.67A	13.28A	10.73A	13.35A	10.78A	13.41A	10.83A
Open-circuit Voltage (Voc)	38.55V	36.62V	38.75V	36.81V	38.95V	37.00V	39.16V	37.20V	39.38V	37.41V
Short-circuit Current (Isc)	13.59A	10.97A	13.66A	11.03A	13.73A	11.09A	13.80A	11.14A	13.86A	11.19A
Module Efficiency STC (%)	21.02%		21.27%		21.52%		21.77%		22.02%	
Operating Temperature(℃)	-40℃-+85℃									
Maximum system voltage	1000/1500VDC(IEC)									
Maximum series fuse rating	25A									
Power tolerance	0-+3%									
Temperature coefficients of Pmax	-0.29%/℃									
Temperature coefficients of Voc	-0.25%/℃									
Temperature coefficients of Isc	0.045%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									

MODULE DIAGRAM:



ELECTRICAL CURVES:





MECHANICAL CHARACTERISTICS:

Front Cover	Tempered AR coated glass, 3.2mm
Solar Cell	108 (6*9+6*9) Monocrystalline
Frame	Anodized aluminum alloy
Junction Box	IP68,3 diodes
Protection Class	Class II
Cables & Plug connectors	300mm, 4mm² & MC4 compatible;customized
Module Dimensions	1722*1134*30mm/35mm(±1mm)
Module Weight	21kg

PACKING DETAILS:

Container	40'HQ	
Pieces per pallet	36PCS(30mm)	31PCS(35mm)
Pallets per container	26P	26P
Pieces per container	936PCS	806PCS

QJ SOLAR
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*STC: Irradiance 1000W/m² Cell Temperature 25℃ AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20℃ AM=1.5 Wind Speed 1m/s