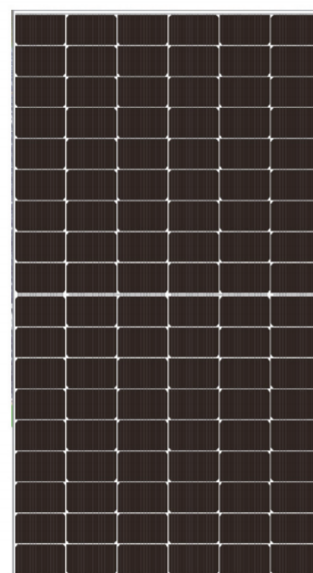




N-TOPCon BIFACIAL MONOCRYSTALLINE SOLAR MODULE

182-108 HALF CELL 420-440 WATT



QJPV linear warranty



12 Years

Limited Product Warranty



30 Years

Performance Warranty

1%

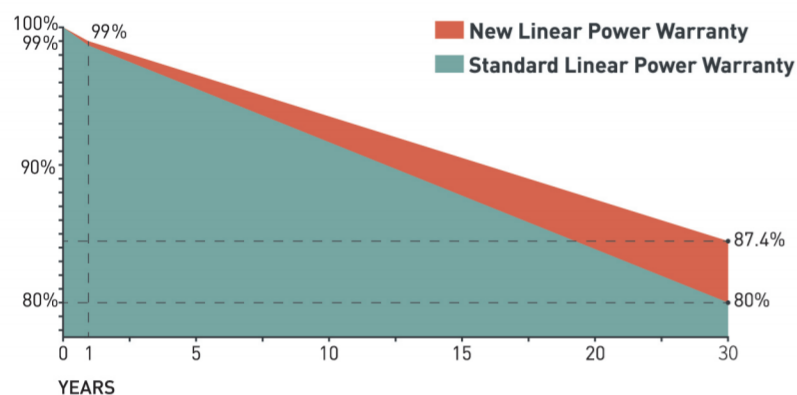
The First Year Degradation

0.4%

Linear Attenuation Of 0.4% Per Year Within 30 Years

30Years

30 Years Performance Warranty



The solar panel characteristics



SMBB Cell Design



Low Degradation



High Reliability



Excellent Low-light Performance



PID Resistant



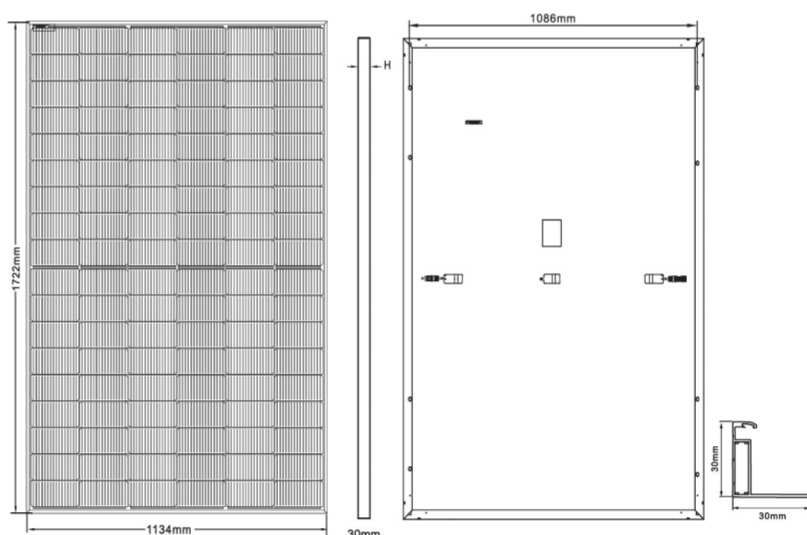
N-TOPCon BIFACIAL MONOCRYSTALLINE

182-108 HALF CELL 420-440 WATT

ELECTRICAL PERFORMANCE

Module Type	QJM420-108HNDG	QJM425-108HNDG	QJM430-108HNDG	QJM435-108HNDG	QJM440-108HNDG
	STC	STC	STC	STC	STC
Maximum Power(Pmax)	420WP	425WP	430WP	435WP	440WP
Maximum Power Voltage(Vmp)	32.14V	32.31V	32.48V	32.65V	32.80V
Maximum Power Current(Imp)	13.07A	13.16A	13.24A	13.33A	13.42A
Open-circuit Voltage(Voc)	38.57V	38.77V	38.97V	39.17V	39.37V
Short-circuit Current(Isc)	13.78A	13.86A	13.96A	14.04A	14.14A
Module Efficiency STC(%)	21.51%	21.76%	22.02%	22.27%	22.53%
Operating Temperature(°C)	-40°C - +85°C				
Maximum System Voltage	1500VDC				
Maximum Series Fuse Rating	30A				
Power Tolerance	0 ~ +5W				
Temperature Coefficients Of Voc	-0.25%/°C	Temperature Coefficients Of Pmax			-0.29%/°C
Temperature Coefficients Of Isc	0.045%/°C	Nominal Operating Cell Temperature(NOCT)			45±2°C

MODULE DIAGRAM



*STC: Irradiance 1000W/m²

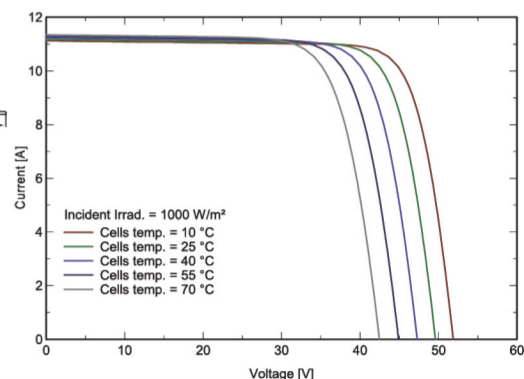
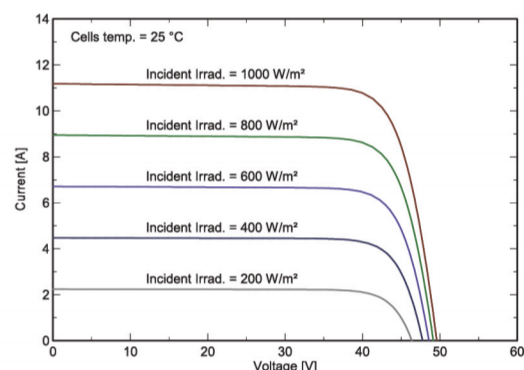
Cell Temperature 25°C

AM 1.5

MECHANICAL CHARACTERISTICS

Front Cover	Tempered AR coated glass, 2.0mm
Solar Cell	108(6*9+6*9)Monocrystalline
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Protection Class	Class II
Front/Rear Side Maximum Static Loading	5400Pa/2400Pa
Cables & Plug Connectors	300mm, 4mm ² & MC4 compatible; customized
Application Level	Class A
Module Dimensions	1722*1134*30mm(±1mm)
Module Weight	25kg

ELECTRICAL CURVES



PACKING DETAILS

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