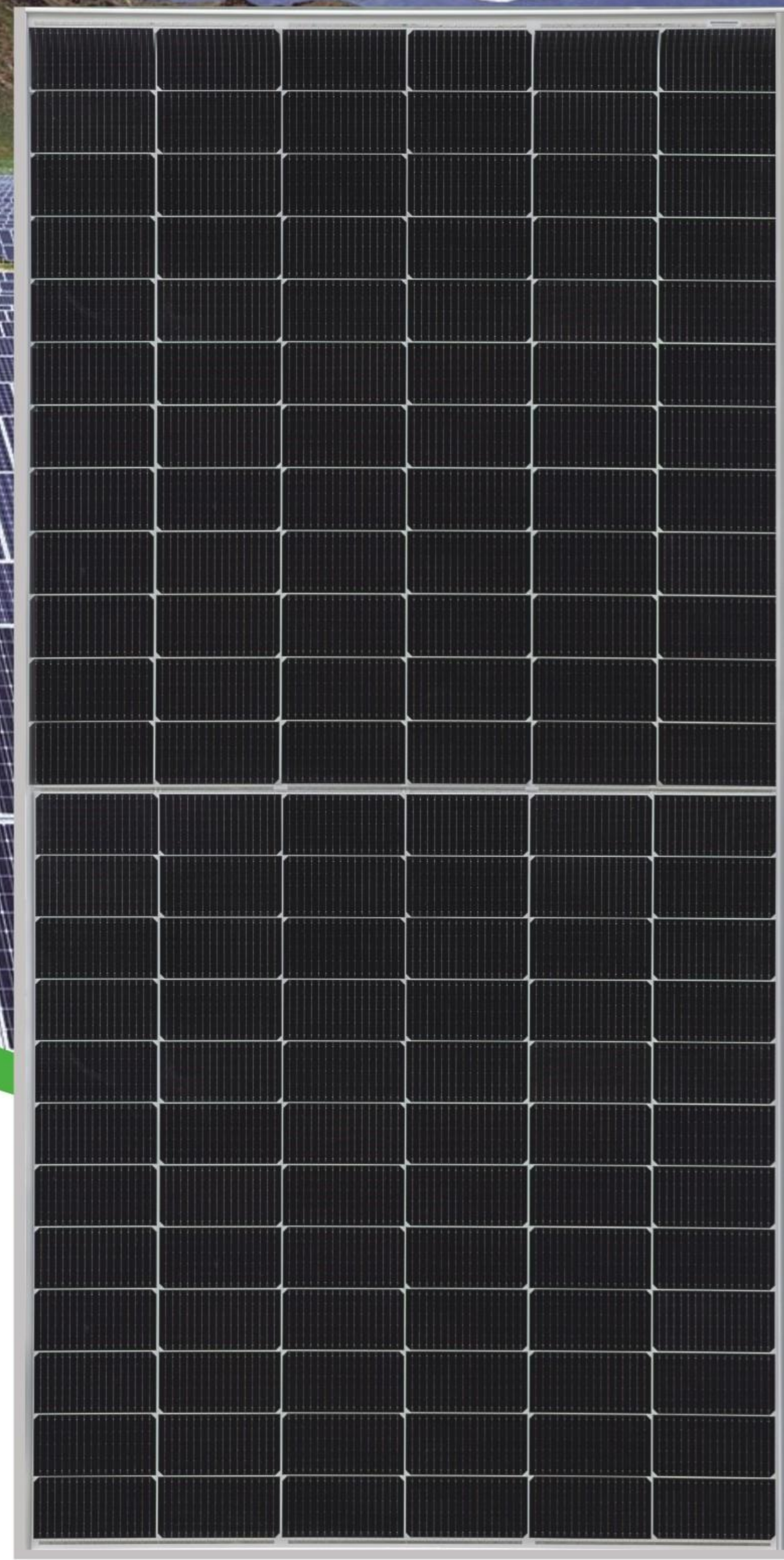




Enjoy Sunshine, Enjoy Life

# N-TOPCon BIFACIAL MONOCRYSTALLINE SOLAR MODULE

182-144 HALF CELL 555-585 WATT



## QJ Solar linear warranty

**12** Years  
Limited Product Warranty

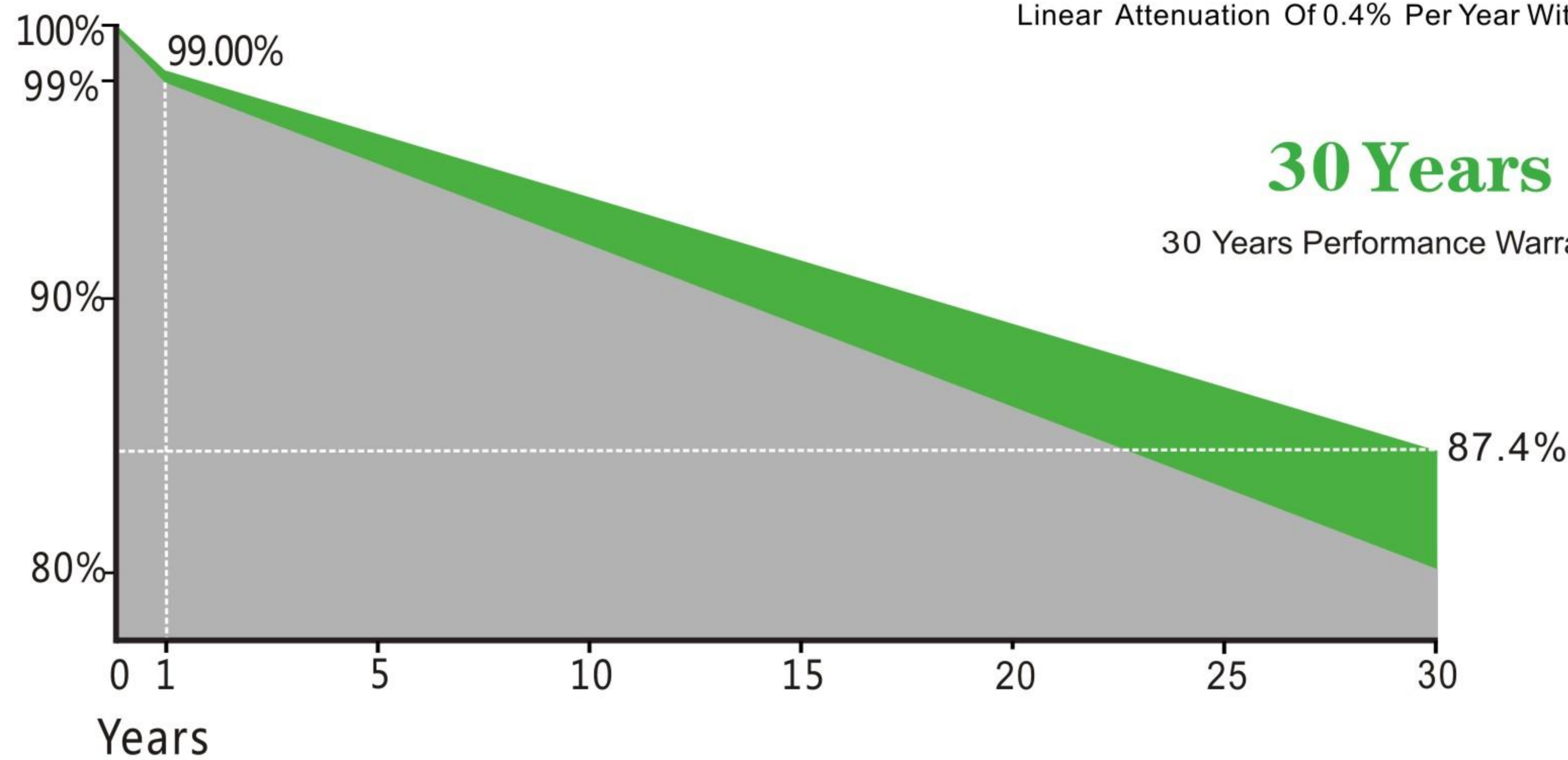
**30** Years  
Performance Warranty

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



## The solar panel characteristics



SMBB Cell Design



Low Degradation



High Reliability



Excellent Low-light Performance



PID Resistant



☎ 86-574-63441748    📠 86-574-63456148    ✉ sales@qjsolar.com    🌐 www.qjsolar.com

📍 No.69, Mingde Road, Zhouxiang Town, Cixi City, Ningbo, Zhejiang Province, China

# N-TOPCon BIFACIAL MONOCRYSTALLINE 182-144 HALF CELL 555-585 WATT



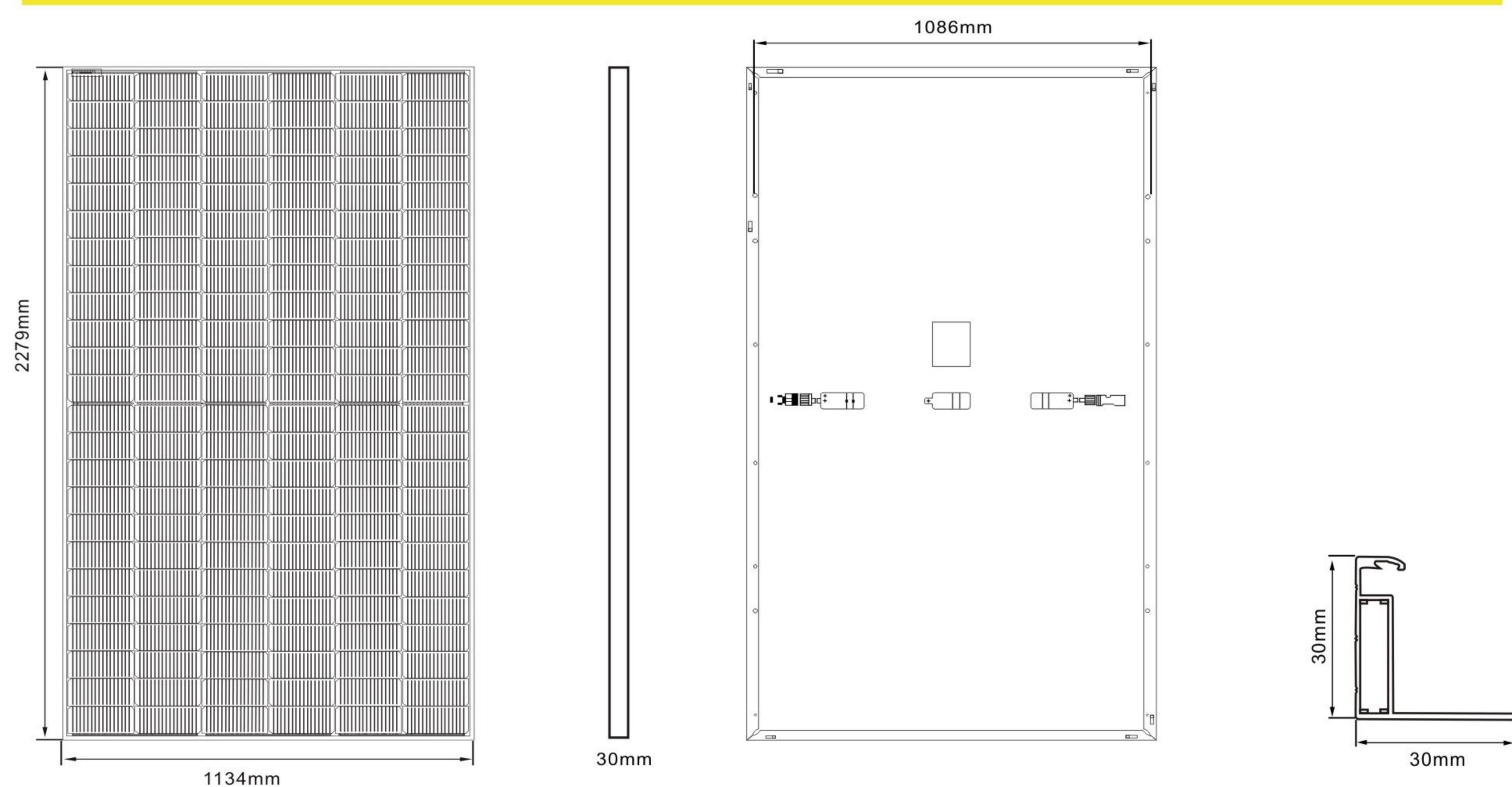
## ELECTRICAL PERFORMANCE:

Module Type	QJM555-144HNDG	QJM560-144HNDG	QJM565-144HNDG	QJM570-144HNDG	QJM575-144HNDG	QJM580-144HNDG	QJM585-144HNDG
	STC	STC	STC	STC	STC	STC	STC
Maximum Power(Pmax)	555WP	560WP	565WP	570WP	575WP	580WP	585WP
Maximum Power Voltage(Vmp)	42.75V	42.92V	43.08V	43.25V	43.42V	43.58V	43.75V
Maximum Power Current (Imp)	12.99A	13.05A	13.12A	13.18A	13.25A	13.31A	13.38A
Open-circuit Voltage (Voc)	51.3V	51.5V	51.7V	51.9V	52.1V	52.3V	52.5V
Short-circuit Current (Isc)	13.69A	13.76A	13.82A	13.89A	13.96A	14.02A	14.1A
Module Efficiency STC (%)	21.48%	21.69%	21.87%	22.07%	22.26%	22.38%	22.5%
Operating Temperature(°C)	-40°C~+85°C						
Maximum system voltage	1500VDC						
Maximum series fuse rating	30A						
Power tolerance	0~+3%						
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

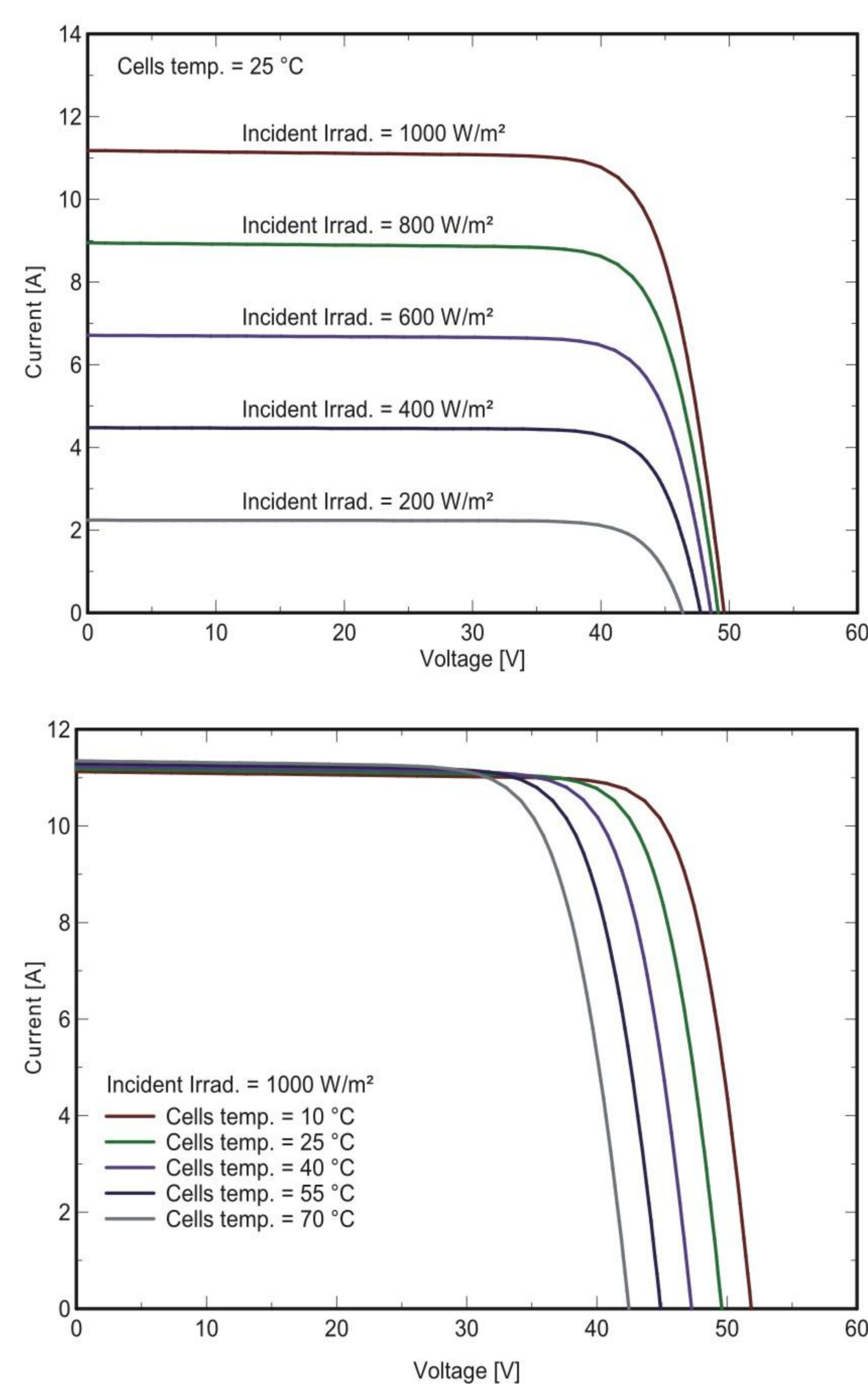
## BIFACIAL OUTPUT - REAR SIDE POWER GAIN

		611	616	622	627	633	638	643
10%	Pmax (STC)							
20%	Pmax (STC)	666	672	678	684	690	696	702
30%	Pmax (STC)	722	728	735	741	748	754	760

## MODULE DIAGRAM:



## ELECTRICAL CURVES:



## MECHANICAL CHARACTERISTICS:

Front Cover	Tempered AR coated glass, 2.0mm
Solar Cell	144(6*12*6*12) 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, 4mm² & MC4 compatible; customized
Application Level	Class A
Module Dimensions	2279*1134*30mm(±1mm)
Module Weight	32kg

## PACKING DETAILS:

Container	40HQ
Pieces per pallet	36PCS
Pallets per container	20P
Pieces per container	720PCS

\*STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

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