



Enjoy Sunshine, Enjoy Life

# N-TOPCon BIFACIAL MONOCRYSTALLINE SOLAR MODULE

182-156 HALF CELL 595-630 WATT



## QJ Solar linear warranty

## The solar panel characteristics

**12** **12 Years**  
Limited Product Warranty

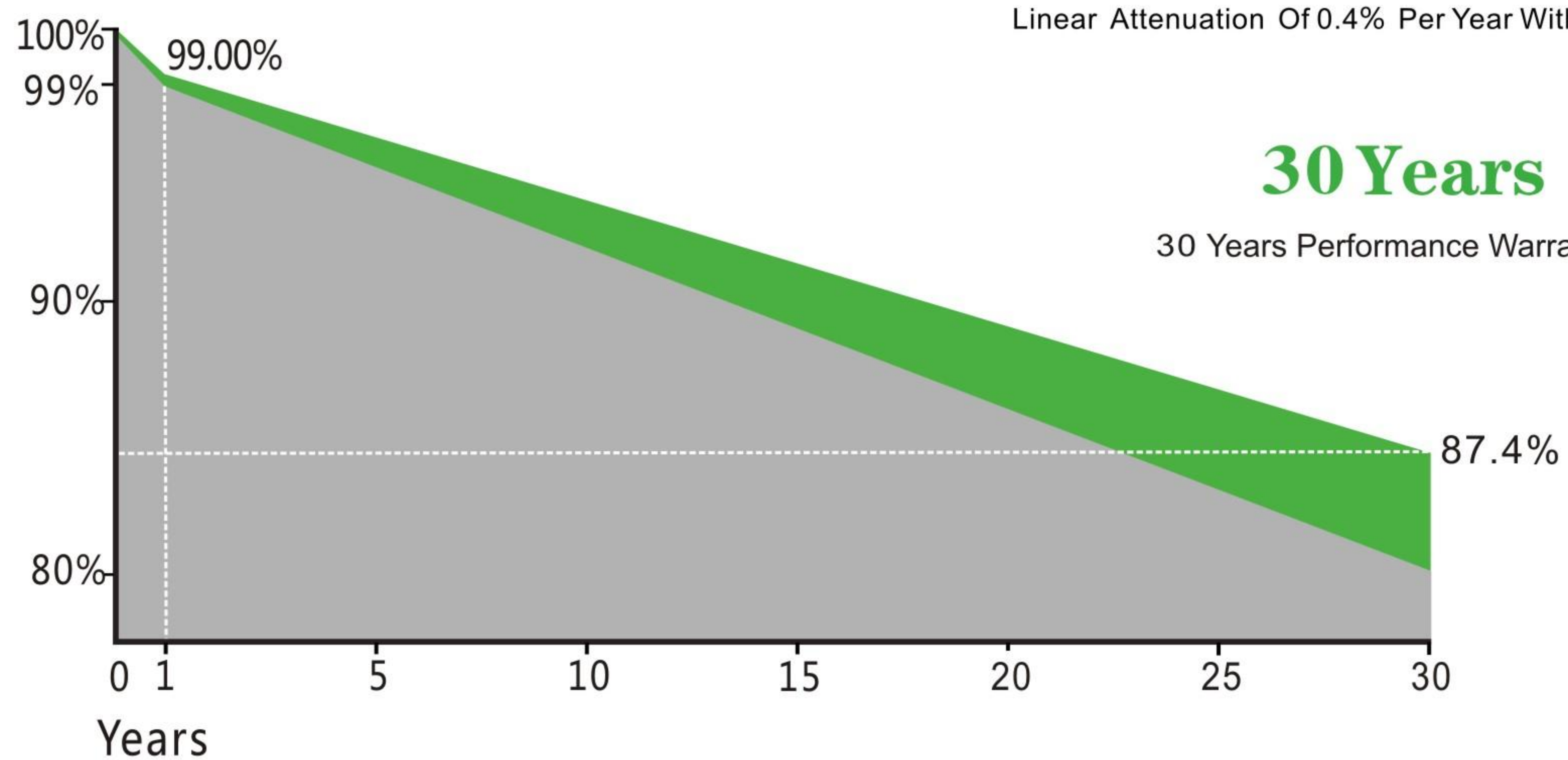
**30** **30 Years**  
Performance Warranty

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



SMBB Cell Design



Low Degradation



High Reliability



Excellent Low-light Performance



PID Resistant



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# N-TOPCon BIFACIAL MONOCRYSTALLINE 182-156 HALF CELL 595-630 WATT



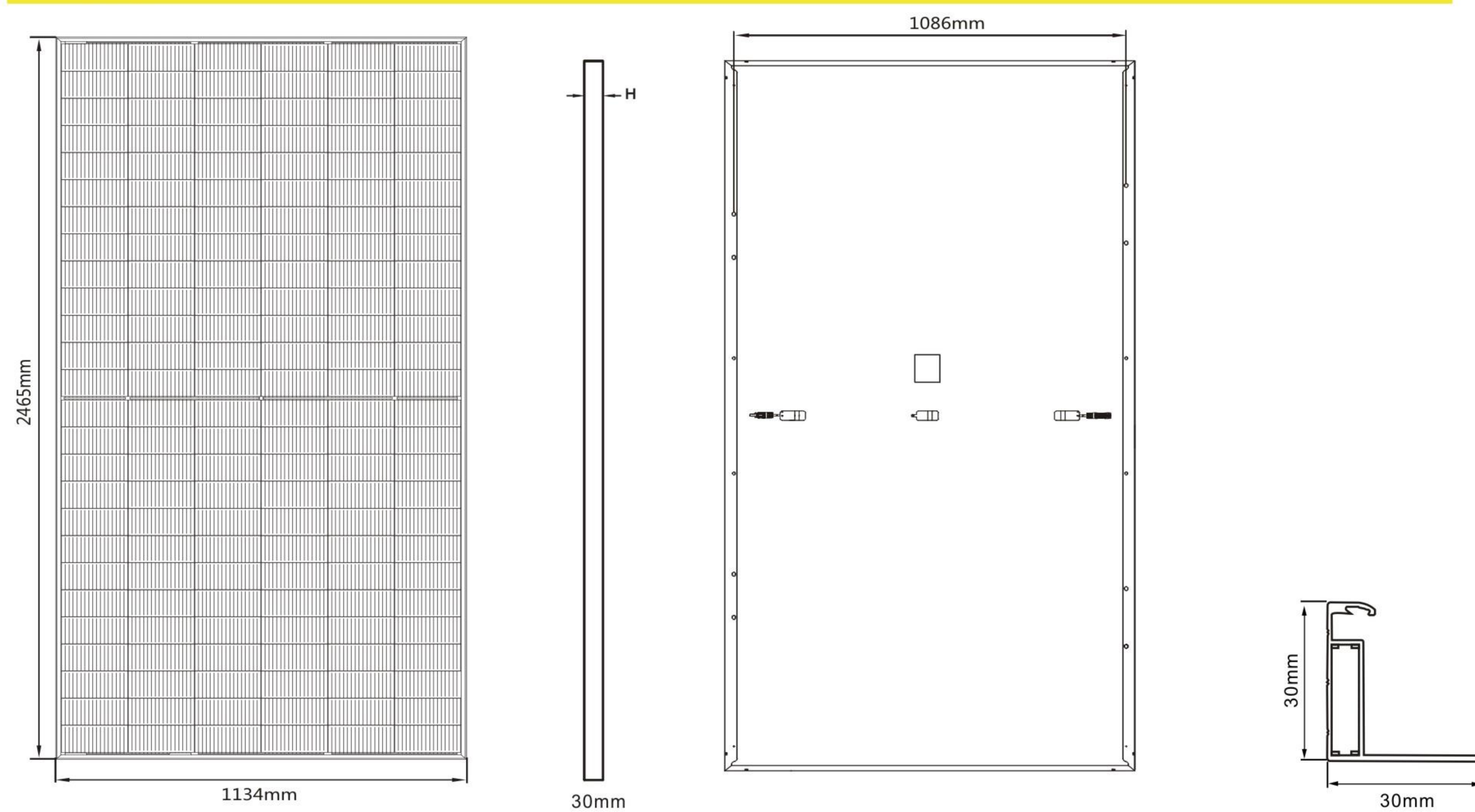
## ELECTRICAL PERFORMANCE:

Module Type	QJM595-156HNDG	QJM600-156HNDG	QJM605-156HNDG	QJM610-156HNDG	QJM615-156HNDG	QJM620-156HNDG	QJM625-156HNDG	QJM630-156HNDG
	STC	STC	STC	STC	STC	STC	STC	STC
Maximum Power(Pmax)	595WP	600WP	605WP	610WP	615WP	620WP	625WP	630WP
Maximum Power Voltage(Vmp)	46.00V	46.17V	46.34V	46.50V	46.67V	46.84V	47.00V	47.17V
Maximum Power Current (Imp)	12.94A	13.00A	13.06A	13.12A	13.18A	13.24A	13.30A	13.36A
Open-circuit Voltage (Voc)	55.20V	55.40V	55.60V	55.80V	56.00V	56.20V	56.40V	56.60V
Short-circuit Current (Isc)	13.64A	13.69A	13.77A	13.83A	13.89A	13.96A	14.02A	14.08A
Module Efficiency STC (%)	21.28%	21.46%	21.64%	21.82%	22.00%	22.18%	22.36%	22.54%
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	

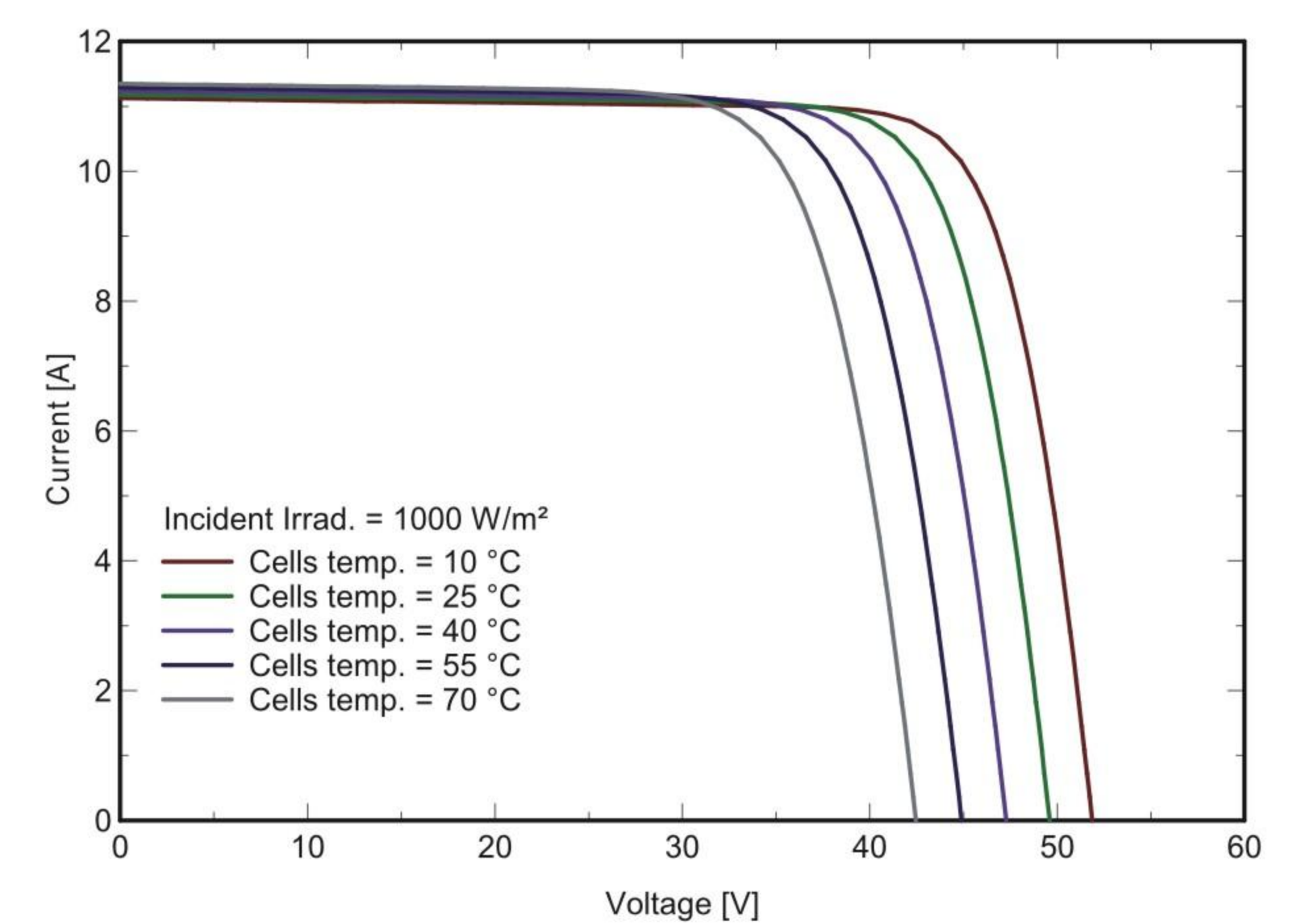
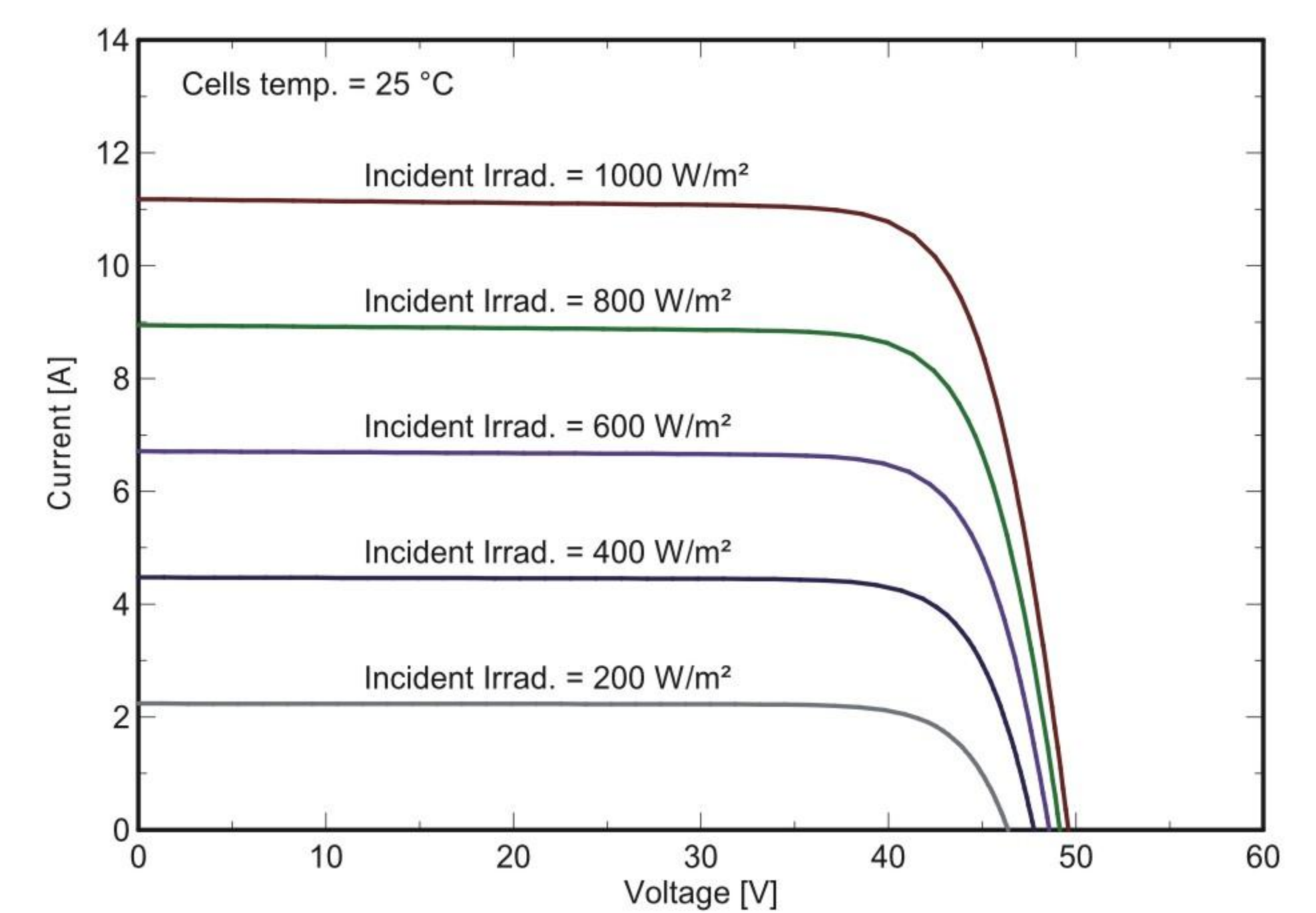
## BIFACIAL OUTPUT - REAR SIDE POWER GAIN

		QJM595-156HNDG	QJM600-156HNDG	QJM605-156HNDG	QJM610-156HNDG	QJM615-156HNDG	QJM620-156HNDG	QJM625-156HNDG	QJM630-156HNDG
10%	Pmax (STC)	654	660	665	671	676	682	687	693
20%	Pmax (STC)	714	720	726	732	738	744	750	756
30%	Pmax (STC)	773	780	786	793	799	806	812	819

## MODULE DIAGRAM:



## ELECTRICAL CURVES:



## MECHANICAL CHARACTERISTICS:

Front Cover	Tempered AR coated glass, 2.0mm
Solar Cell	156(6*13+6*13)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	2465*1134*30mm(±1mm)
Module Weight	34kg

## PACKING DETAILS:

Container	40HQ
Pieces per pallet	36PCS
Pallets per container	16P
Pieces per container	576PCS

\* STC : Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

**Cixi City Rixing Electronics Co., Ltd.**

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