



Enjoy Sunshine, Enjoy Life



N-TOPCon BIFACIAL MONOCRYSTALLINE SOLAR MODULE

210-132 HALF CELL 685-710 WATT

QJ Solar linear warranty

12 Years Limited Product Warranty

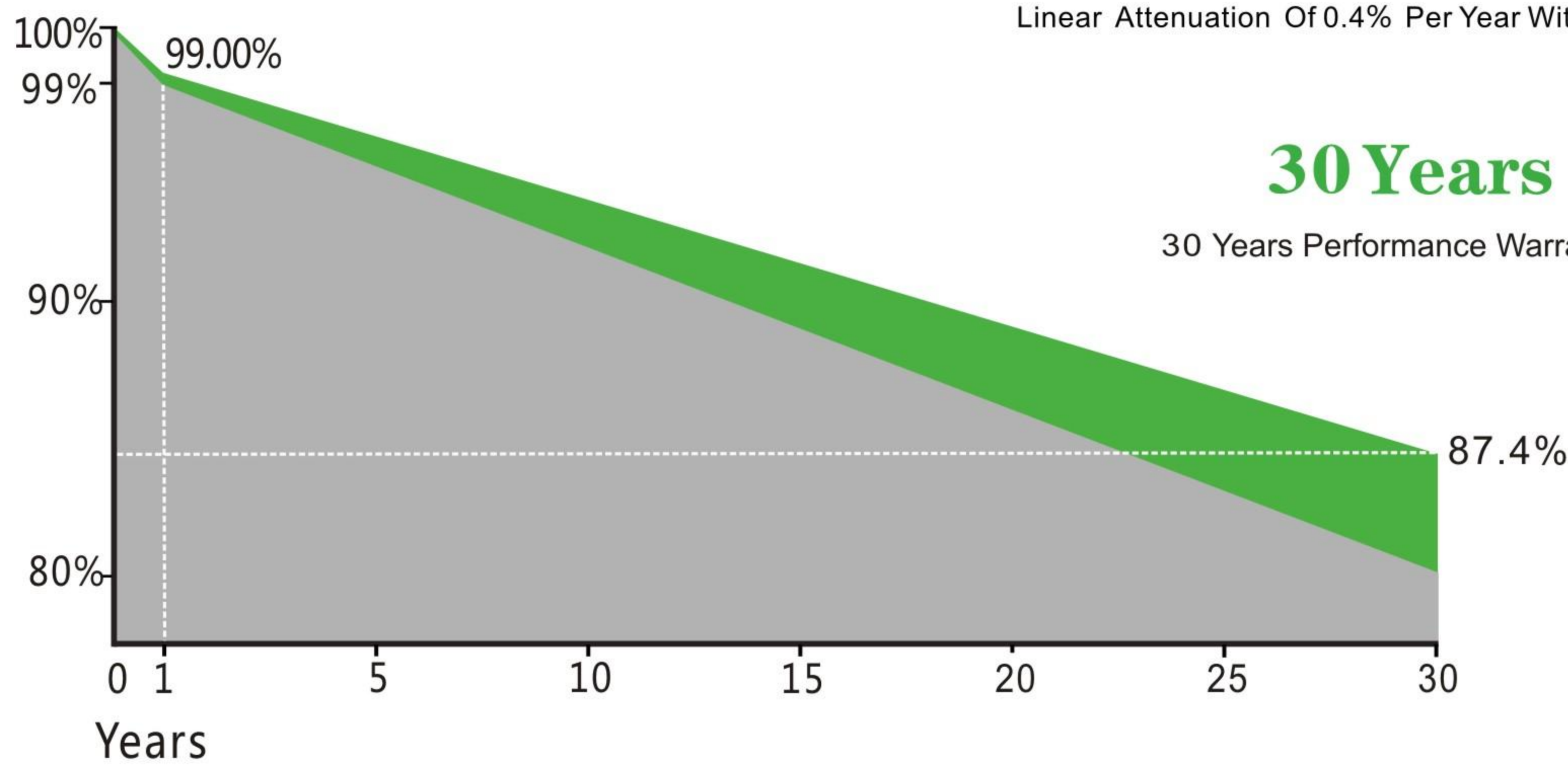
30 Years Performance Warranty

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



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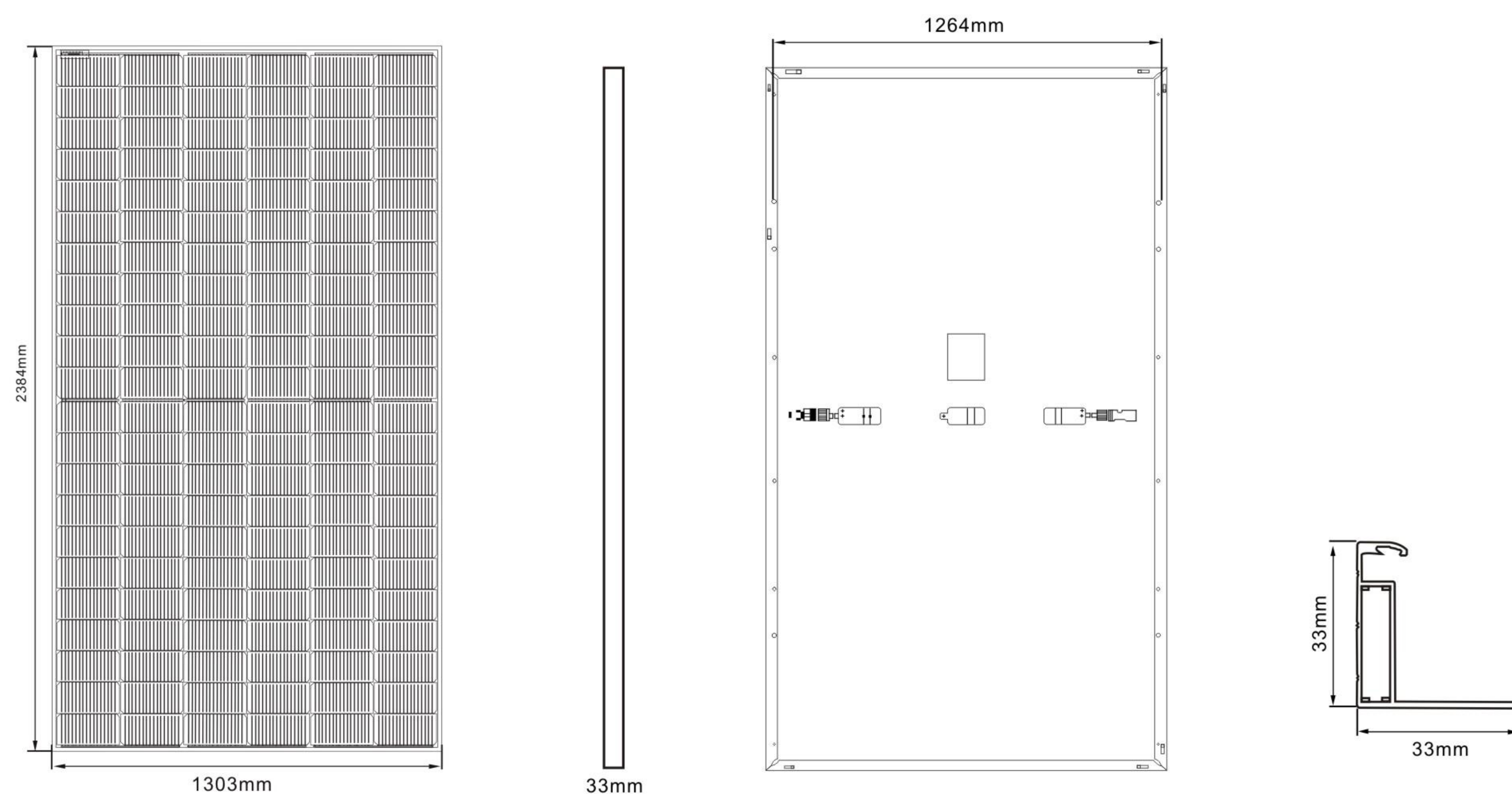
ELECTRICAL PERFORMANCE:

Module Type	QJM685-132HNDG	QJM690-132HNDG	QJM695-132HNDG	QJM700-132HNDG	QJM705-132HNDG	QJM710-132HNDG
	STC	STC	STC	STC	STC	STC
Maximum Power(Pmax)	685WP	690WP	695WP	700WP	705WP	710WP
Maximum Power Voltage(Vmp)	39.80V	40.10V	40.30V	40.50V	40.70V	40.90V
Maximum Power Current (Imp)	17.98A	17.23A	17.25A	17.29A	17.33A	17.36A
Open-circuit Voltage (Voc)	47.70V	47.90V	48.30V	48.60V	48.80V	49.00V
Short-circuit Current (Isc)	18.21A	18.25A	18.28A	18.32A	18.36A	18.40A
Module Efficiency STC (%)	22.1%	22.2%	22.4%	22.5%	22.7%	22.9%
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	

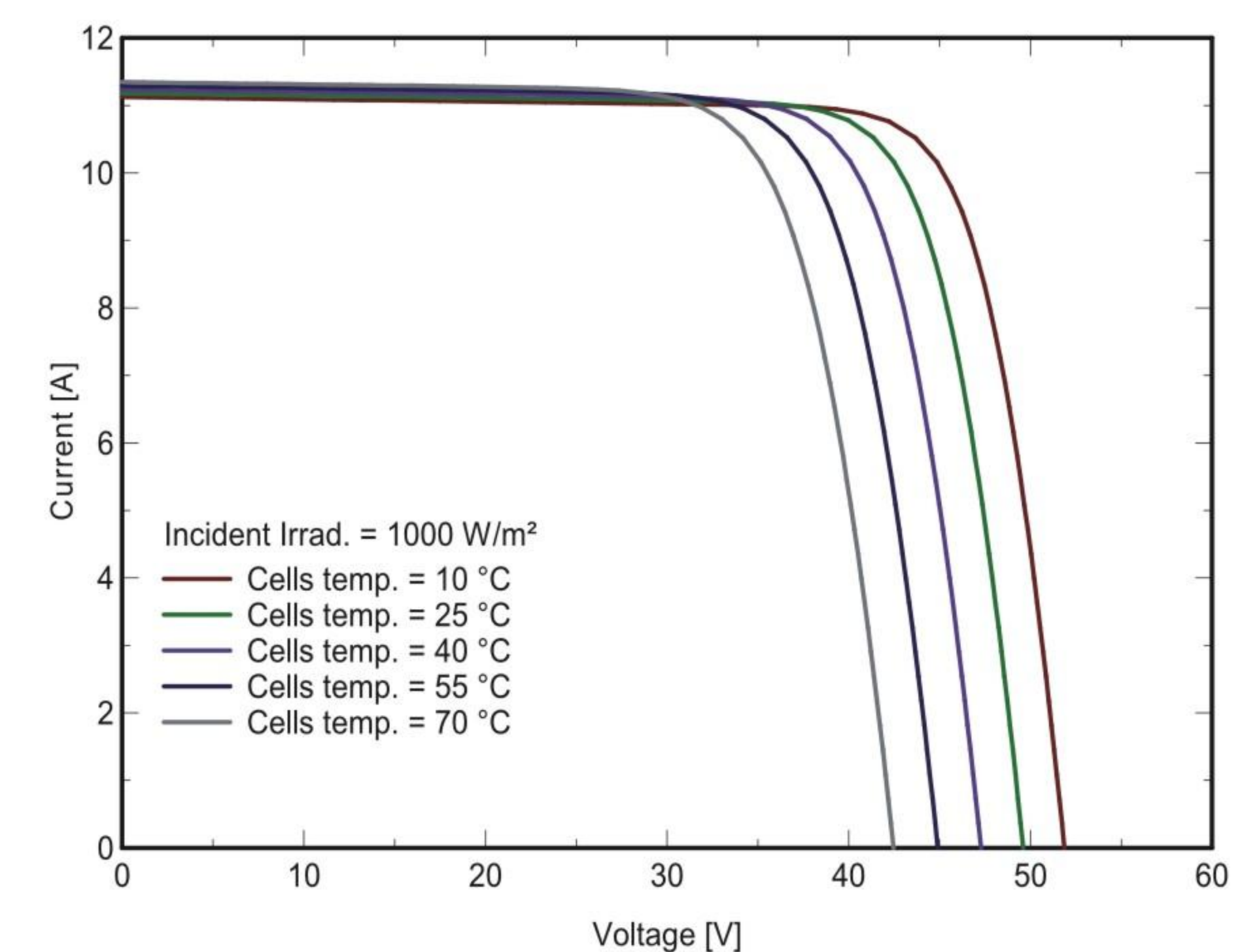
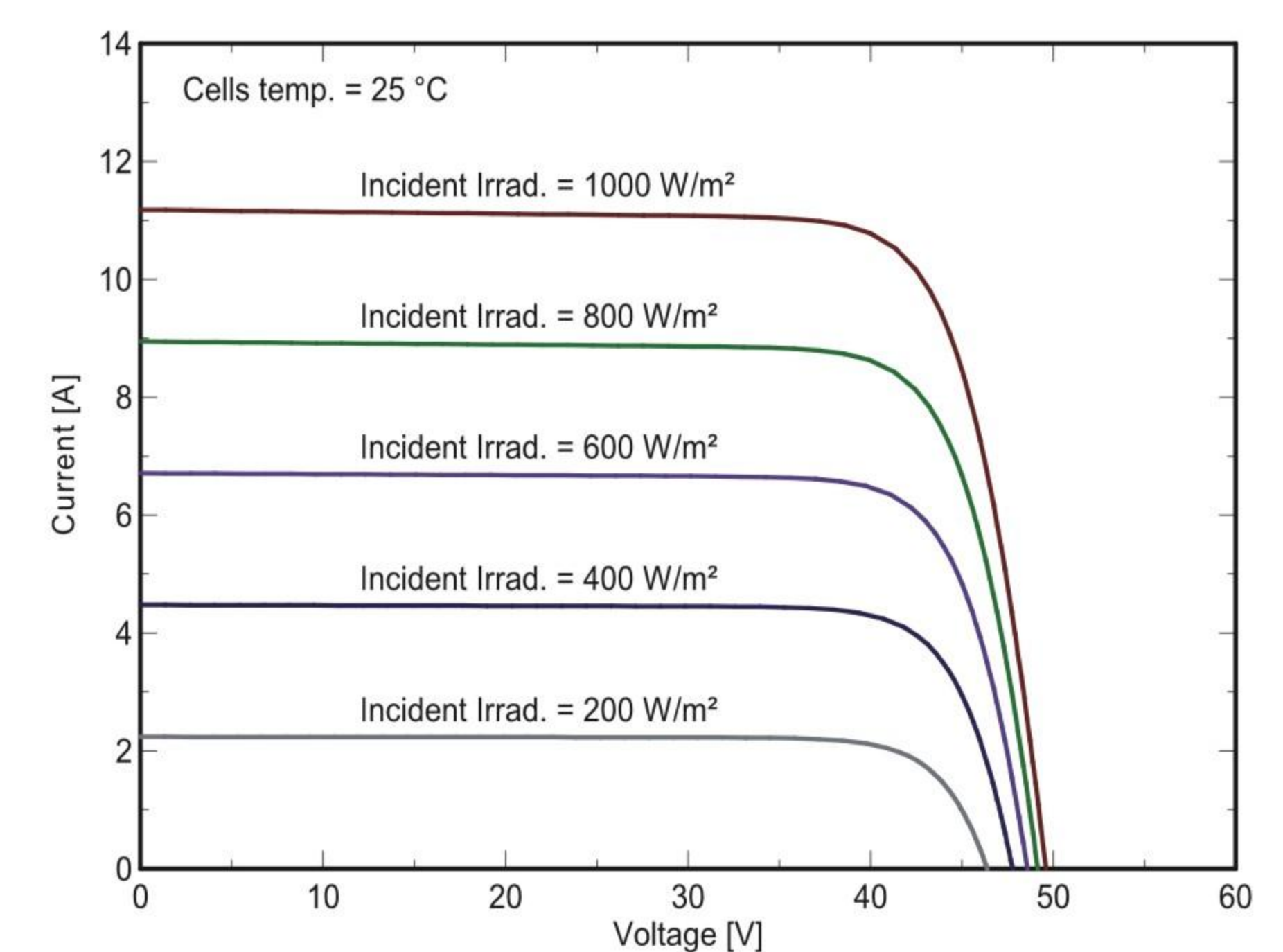
BIFACIAL OUTPUT - REAR SIDE POWER GAIN

	Pmax (STC)	753	759	764	770	775	781
10%	Pmax (STC)	822	828	834	840	846	852
20%	Pmax (STC)	890	897	903	910	916	923
30%	Pmax (STC)						

MODULE DIAGRAM:



ELECTRICAL CURVES:



MECHANICAL CHARACTERISTICS:

Front Cover	Tempered AR coated glass, 2.0mm
Solar Cell	132(6*11+6*11)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	2384*1303*33mm(±1mm)
Module Weight	38.3kg

PACKING DETAILS:

Container	40HQ
Pieces per pallet	33PCS
Pallets per container	18P
Pieces per container	594PCS

*STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

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