

JS 585W

Bifacial

N-TOPCon Monocrystalline Module

D599

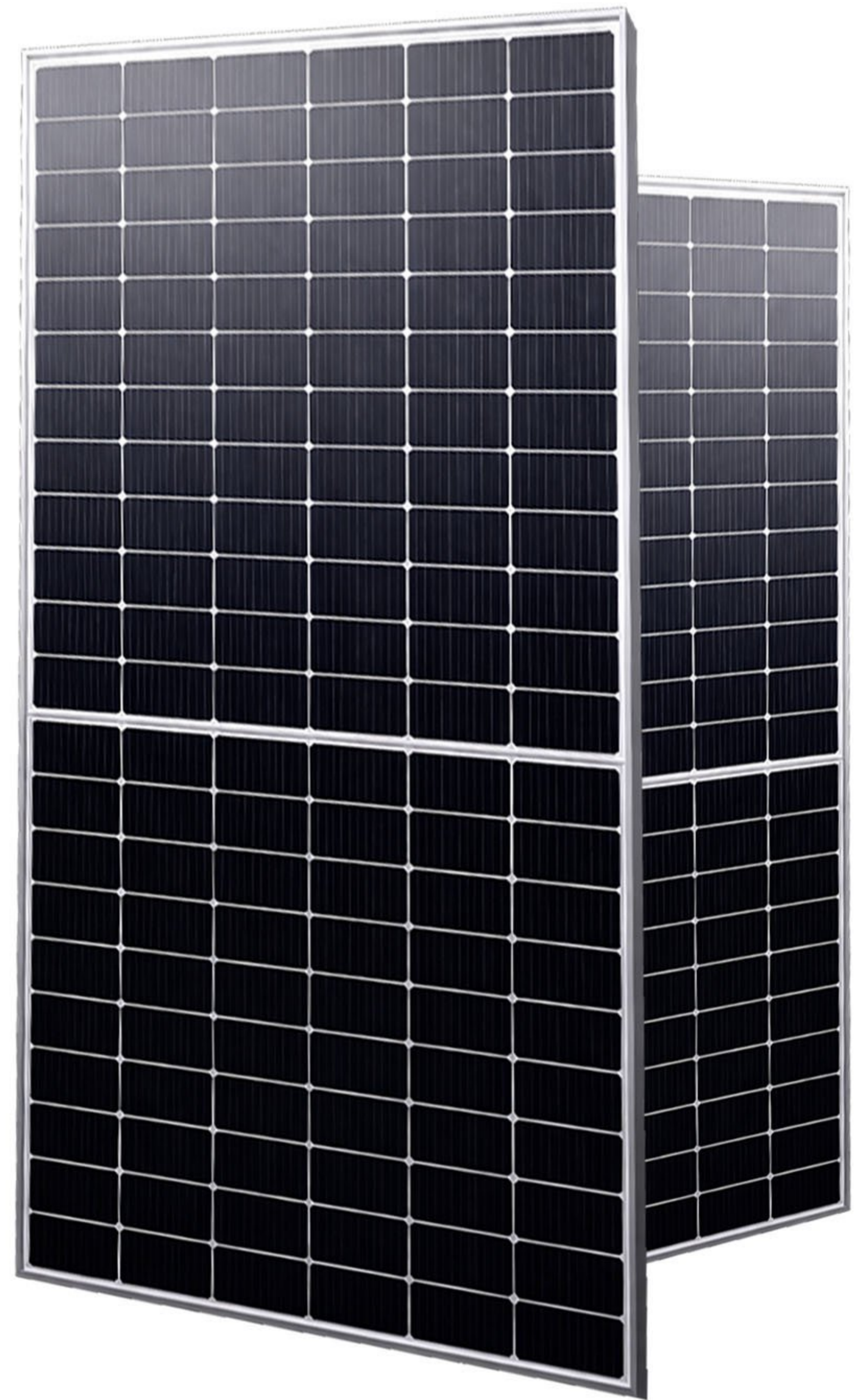
 **Dimensions (mm)**
2279 x 1134 x 35/30

 **Mono TOPCon**
144 Cell

 **Max System Voltage**
1500V DC

 **Power Output**
560-600wp

 **Max Efficiency**
23.22%



- **Light Redirecting Film:** JESKO TOPCON modules use gap Light Redirecting film technology to ensure the bifaciality & reliability of the module, meanwhile effectively increasing the power performance.
- **No-Destructive Cutting:** JESKO Cells cutting is using NDC (Non-Destructive) cutting technology, the cutting surface is smooth which avoids the loss of the mechanical structure of the cells & ensure sufficient current
- **Junction Box Laser welding technology :** JESKO uses the high energy density & precise positioning control capabilities of the lazer to achieve high-quality welding. it can accurately control the junctin box welding position & welding time to ensure welding quality & reliability

 **Higher Power Output**
Module power increases by 5 -25% generally bringing significantly lower LCOE & higher IRR. 0-5w positive tolerance output warranty

 **Low-light Performance**
Excellent Performance in low light.

 **Multi Busbar Technology**
By improving optical utilization rate, power increases by 2~3% & efficiency increases by 0.4~0.6%.

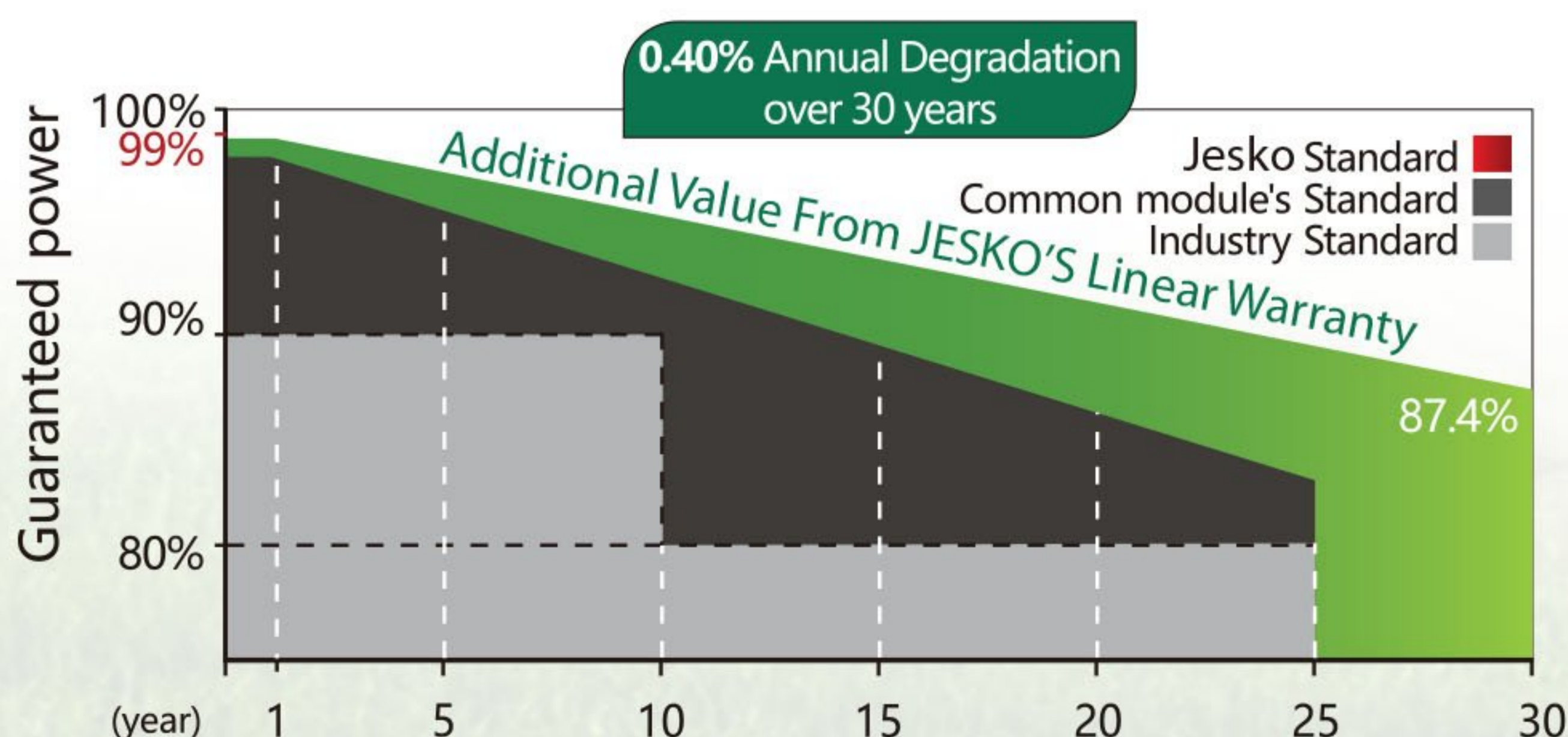
 **Durability Against Extreme Environmental Conditions**
High salt mist and ammonia resistance certified by TUV NORD

PID **PID Resistance**
Excellent Anti-PID performance guarantee via optimized mass - production process & material control .

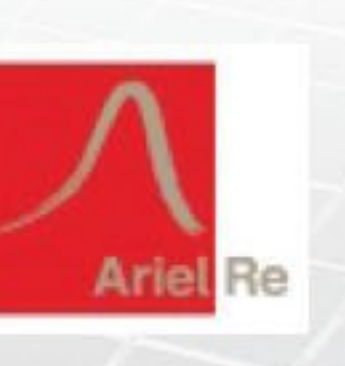
 **EL Full Inspection**
Dual-stage 100% EL Inspection.

LINEAR PERFORMANCE WARRANTY

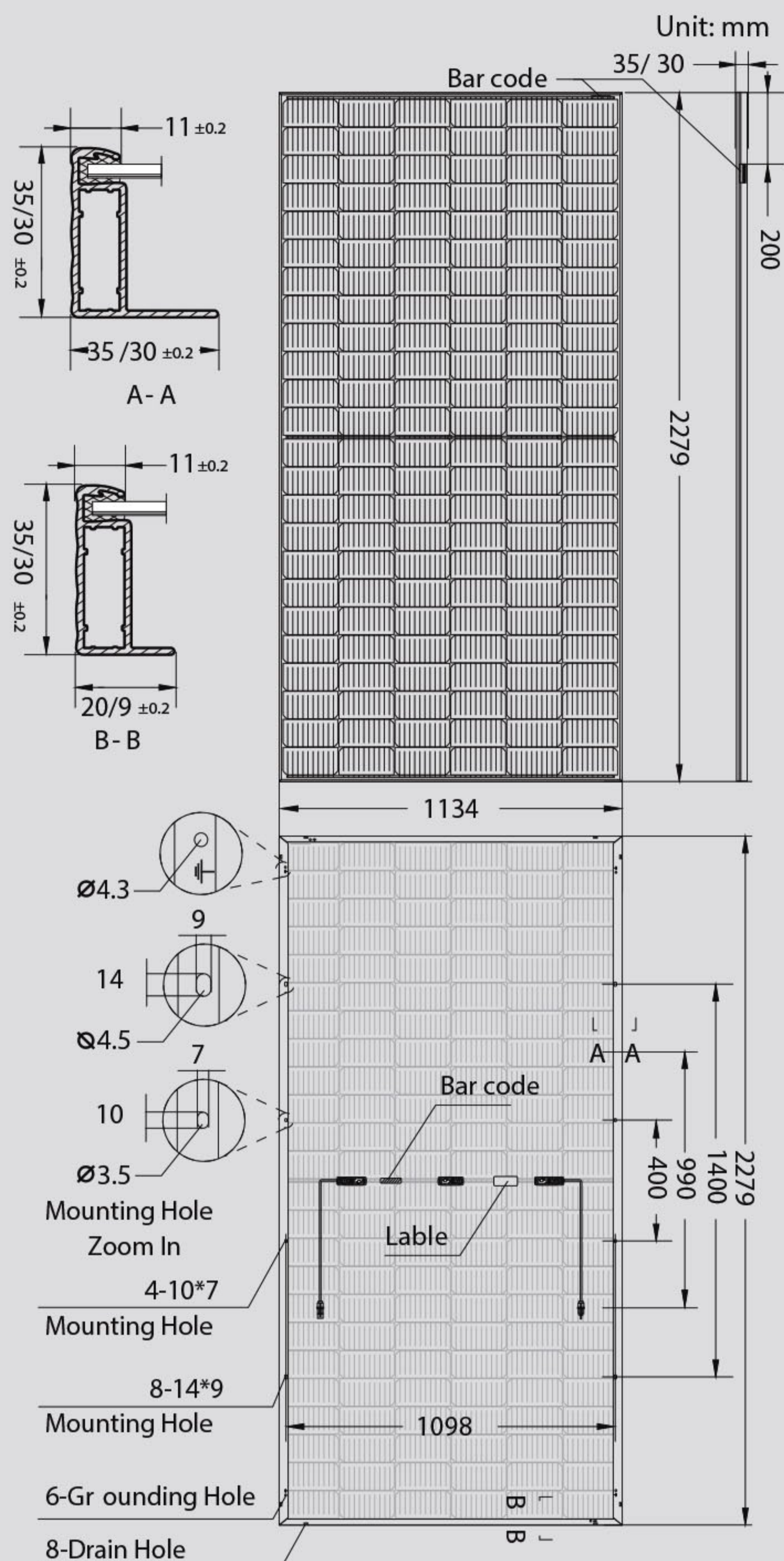
15-year product warranty / 30-year linear power warranty



IEC61215/IEC61730/IEC61701/IEC62716/W EEE De93315506

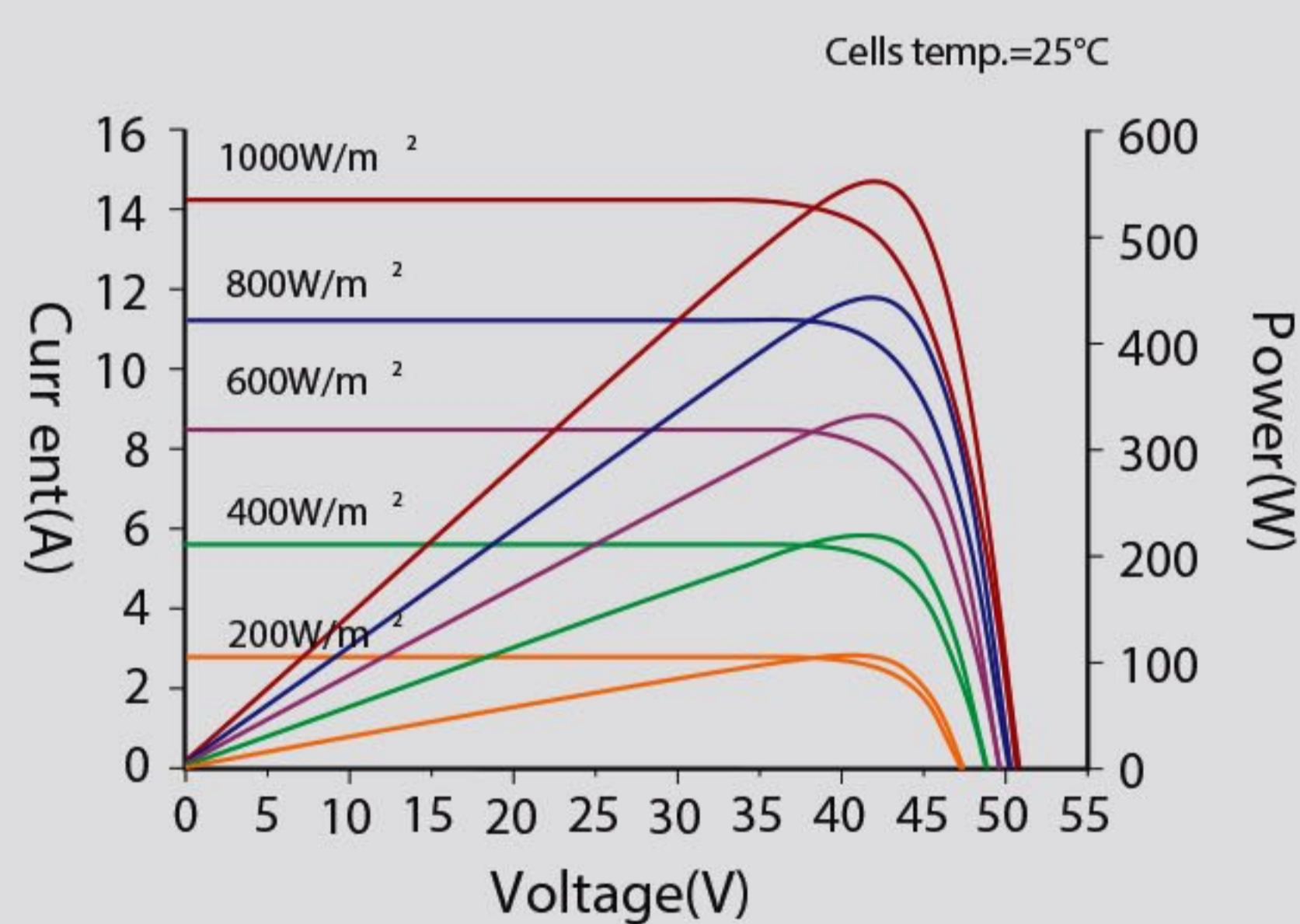


Dimensions of PV Module

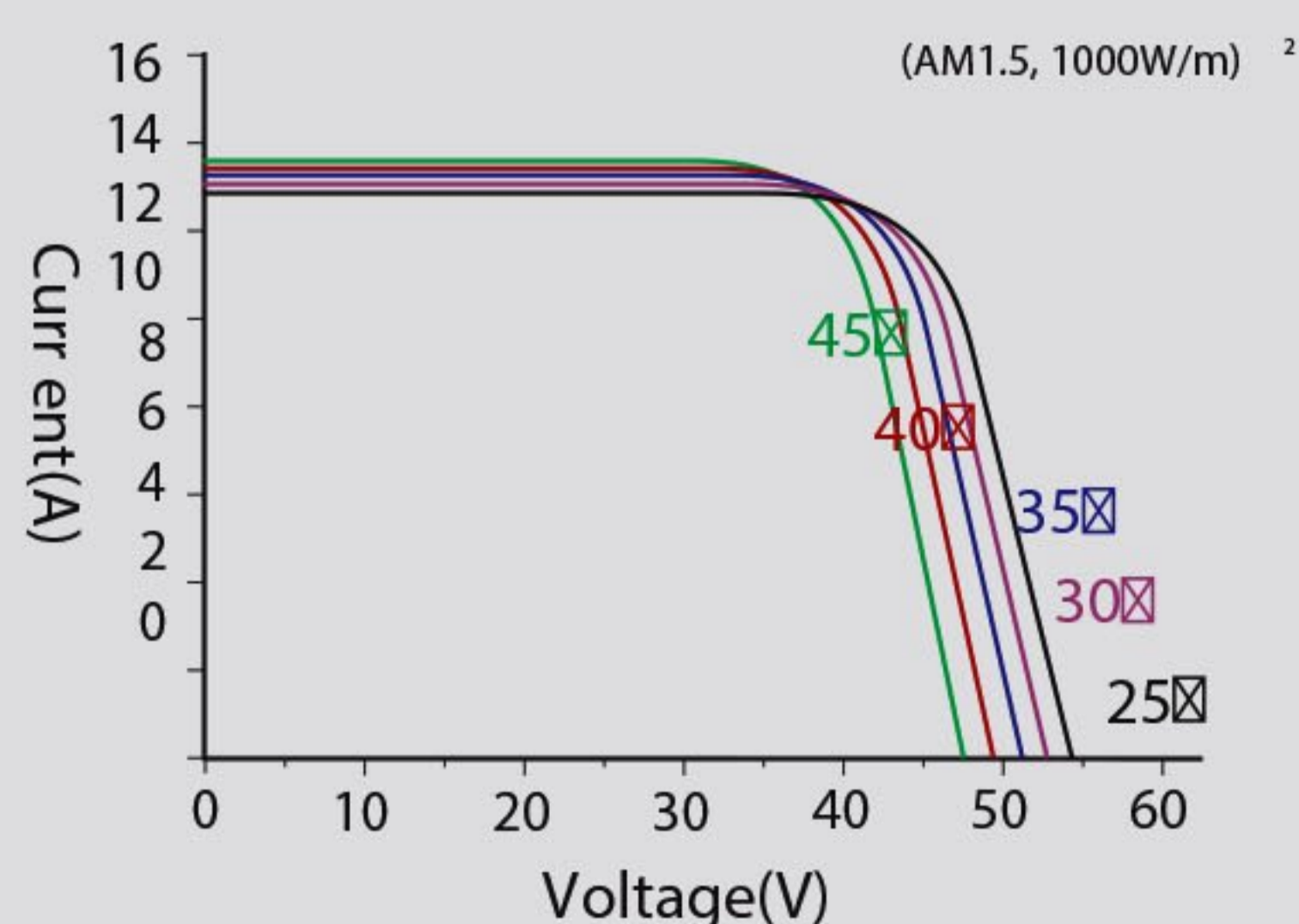


RM-585W

I-V characteristics at different irradiances



I-V characteristics at different temperatures



ELECTRICAL CHARACTERISTICS (STC*)

Rated Power in Watts-Pmax(Wp)	560	565	570	575	580	585	590	595	600
Open Circuit Voltage-Voc(V)	52.45	52.61	52.77	52.93	53.09	53.25	53.41	53.57	53.73
Short Circuit Current-Isc(A)	13.47	13.55	13.62	13.69	13.76	13.83	13.89	13.95	14.01
Max. Power Voltage-Vmpp(V)	44.12	44.26	44.39	44.61	44.84	45.06	45.28	45.50	45.72
Max. Power Current-Impp(A)	12.71	12.79	12.85	12.90	12.95	13.00	13.06	13.12	13.18
Module Efficiency(%)	21.67	21.86	22.06	22.25	22.44	22.6	22.8	23.02	23.22
Maximum system voltage	1500V DC								
Fuse Rating(A)	30								
Temperature coefficient Pmax	-0.29%/°C								
Temperature coefficient Isc	0.045%/°C								
Temperature coefficient Voc	-0.25%/°C								
Refer. Bifacial Factor	80±5%								

*STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

WORKING CHARACTERISTICS (NOCT*)

Rated Power in Watts-Pmax(Wp)	421	425	429	432	436	440
Open Circuit Voltage-Voc(V)	48.13	48.32	48.51	48.70	48.89	49.08
Short Circuit Current-Isc(A)	11.41	11.46	11.50	11.55	11.60	11.65
Max. Power Voltage-Vmpp(V)	39.39	39.52	39.65	39.78	39.87	40.00
Max. Power Current-Impp(A)	10.69	10.75	10.81	10.87	10.94	11.01
Power tolerance	0~+3%					
NOCT	45°C±2°C					
Operating Temperature	-40°C~85°C					

*NOCT : Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Electrical characteristics with different rear side power gain

	Pmax/W	Voc/V	Isc/A	Vmpp/V	Impp/A
5%	630	53.73	14.71	45.72	13.84
10%	660	53.73	15.41	45.72	14.50

The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

MECHANICAL CHARACTERISTICS

Number of Cells	144pcs	Type of frame	Anodized Aluminum Alloy
Type of cells	N-TOPCon Mono	Size of module(mm)	2279×1134×35
Thickness of glass (mm)	2.0	Weight(kg)	32
Junction box	IP68, 1500V DC, 3 Diodes	Cables/connectors	4.0mm², MC4 compatible
Length of Cable	+300mm/-200mm	Length can be customized (connect or included)	

PACKAGING CONFIGURATION

Height of Modules (mm)	30	30
Number of Modules Per Pallet	37	37
Packaging Box Dimensions (l×w×h) (mm)	2300×1120×1260	2300×1120×1260
Box Gross Weight (Kg)	1080	1180
Number of Modules Per 40ft (HQ) Container	740	740
Number of Pallet Per 40ft (HQ) Container	20	20

CAUTION : READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT
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