

AQUILA

650-715Wp



MAXIMUM EFFICIENCY %	CELL TYPE	PRODUCT WARRANTY	PERFORMANCE WARRANTY
23.02	Topcon Bifacial 16BB	12 YEARS	25 YEARS



Made in India within a state-of-the-art module production facility.



Better Temperature Coefficient



Certified by BIS & ALMM



Better Output In Low Irradiance



PID resistant module.



IP68 rated junction box.

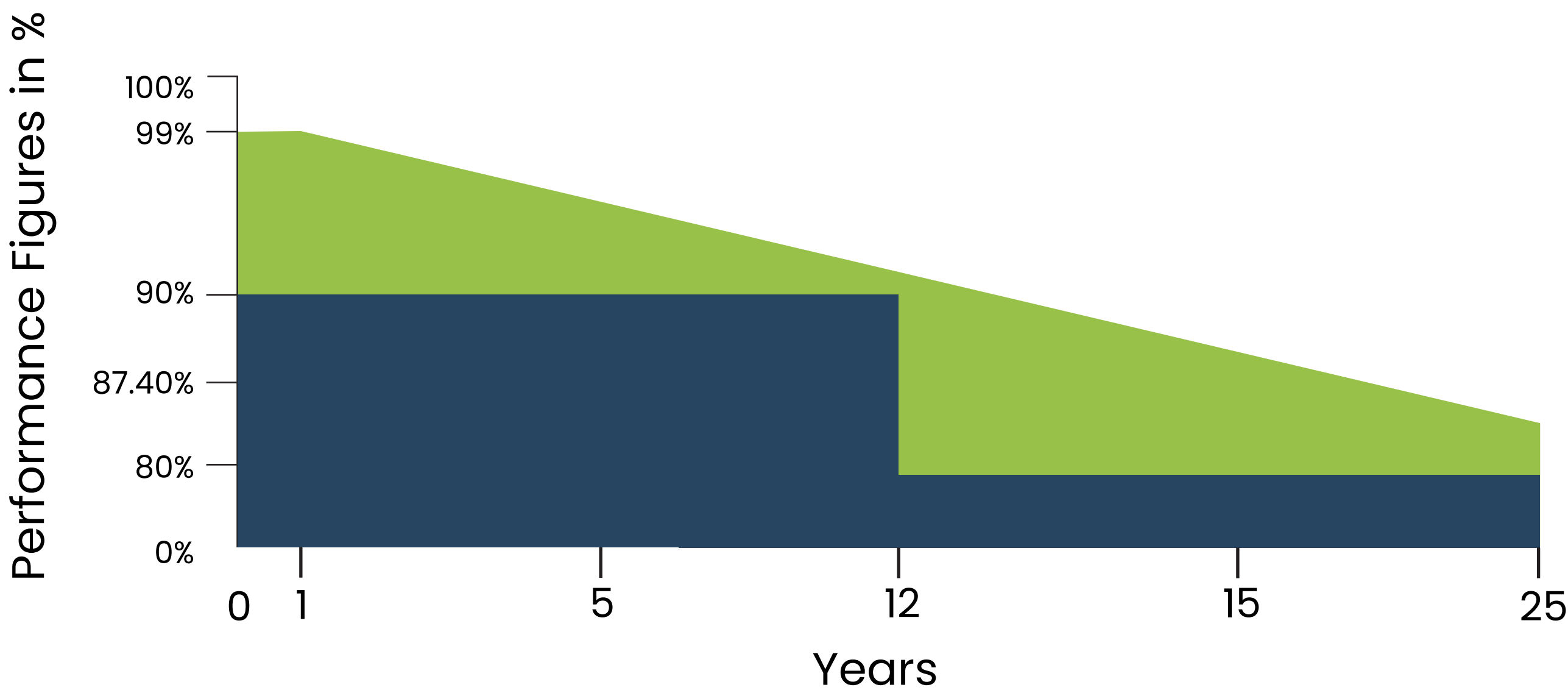


Model: SW-DG132THC-715W

CERTIFICATES



Performance Warranty

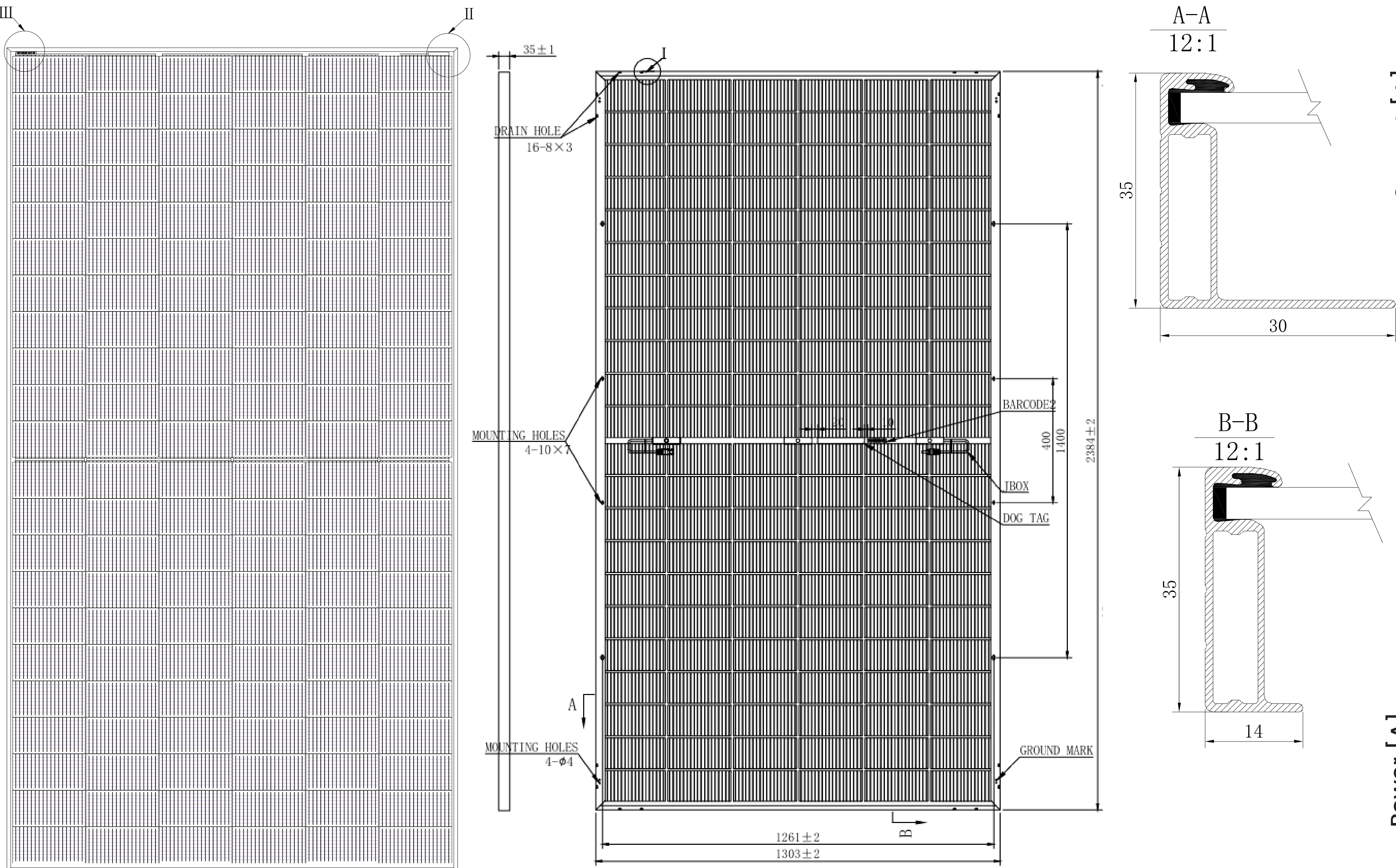


Bifacial Glass to Glass

Performance under standard test conditions STC (1000w/m² AM 1.5, 25°C)



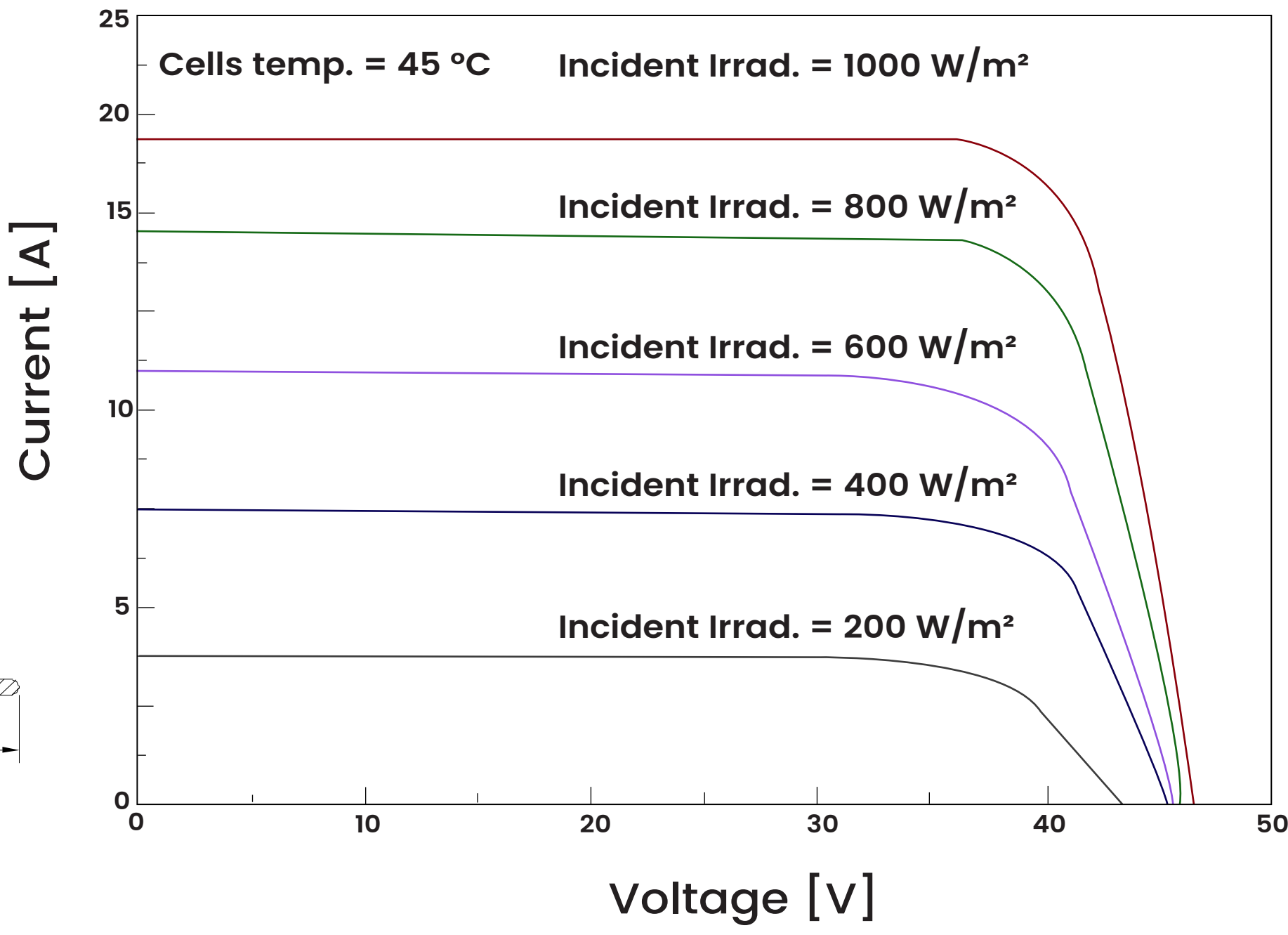
Dimensions of PV Module (mm)



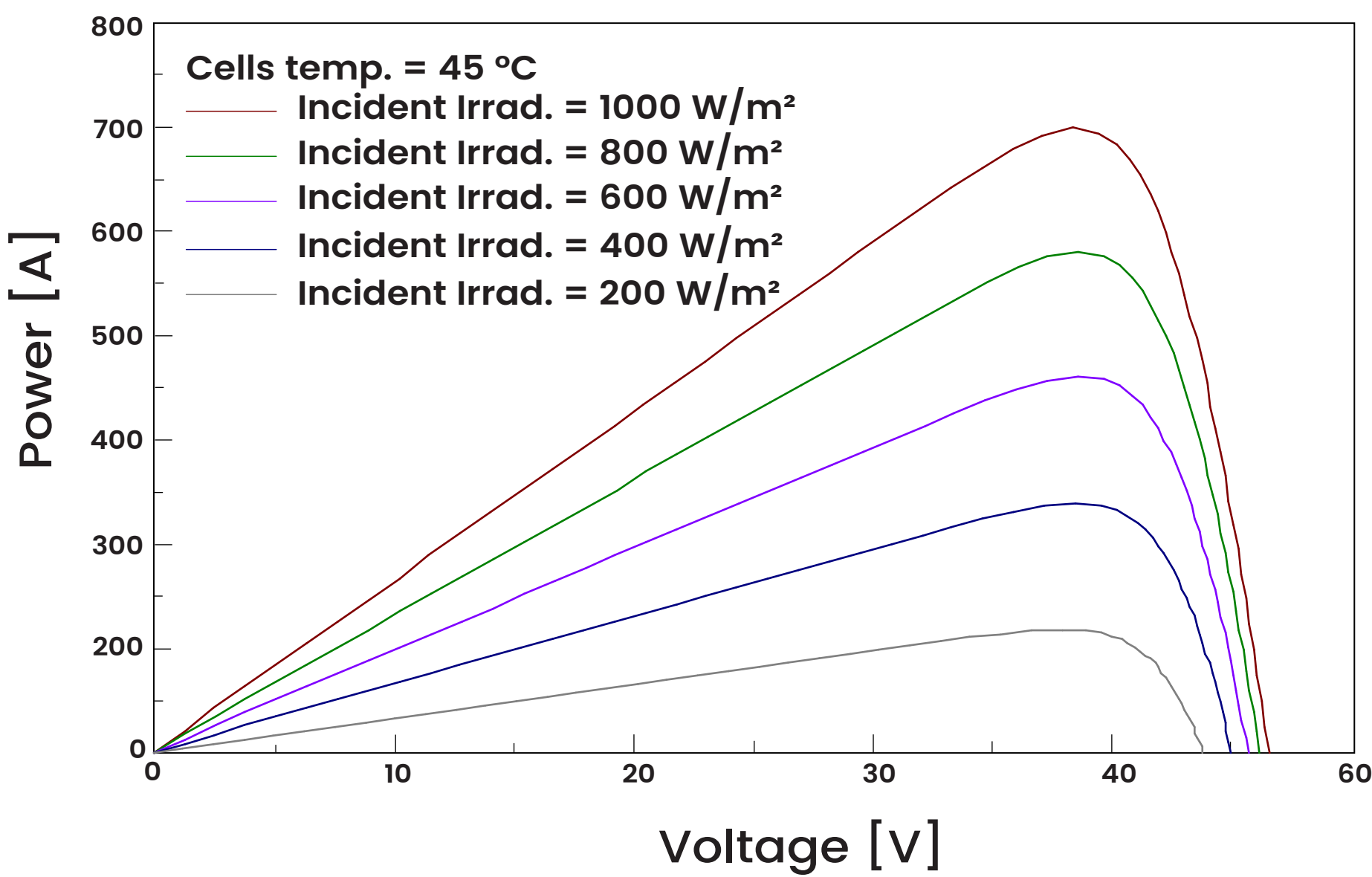
Back View

Front View

I-V Curves of PV Module (715W)



P-V Curves of PV Module (715W)



Electrical Characteristics STC*							
Nominal Power Watt Pmax(W)*	685	690	695	700	705	710	715
Maximum Power Voltage Vmp(V)	39.89	40.09	40.29	40.49	40.68	40.90	41.12
Maximum Power Current Imp(A)	17.18	17.21	17.25	17.29	17.33	17.36	17.40
Open Circuit Voltage Voc(V)	47.98	48.18	48.38	48.58	48.77	48.85	48.90
Short Circuit Current Isc(A)	18.20	18.23	18.27	18.31	18.36	18.37	18.39
Module Efficiency (%)	22.05	22.21	22.37	22.53	22.70	22.86	23.02

*The data above is for reference only and the actual data is in accordance with the practical testing
*STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2°C, AM 1.5
*Measuring uncertainty: ±3%.

Electrical Characteristics NMOT							
Maximum Power Pmax(Wp)	517.59	521.36	525.14	528.92	532.70	536.48	540.25
Maximum Power Voltage Vmp(V)	37.60	37.80	38.00	38.20	38.40	38.60	38.80
Maximum Power Current Imp(A)	13.77	13.80	13.83	13.85	13.87	13.90	13.93
Open Circuit Voltage Voc(V)	45.26	45.45	45.64	45.83	46.01	46.09	46.13
Short Circuit Current Isc(A)	14.69	14.72	14.75	14.78	14.82	14.83	14.85

*NMOT:Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

Electrical Characteristics (Rear Power Gain)								
5%	Maximum Power: Pmax (W)	719.25	724.5	729.75	735	740.25	745.5	750.75
	Module Efficiency(%)	23.15	23.32	23.49	23.66	23.83	24.00	24.17
15%	Maximum Power: Pmax(W)	753.5	759	764.5	770	775.5	781	786.5
	Module Efficiency(%)	24.26	24.43	24.61	24.79	24.96	25.14	25.32
25%	Maximum Power: Pmax(W)	822	828	834	840	846	852	858
	Module Efficiency(%)	26.46	26.66	26.85	27.04	27.23	27.43	27.62

*Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.
*Caution: Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

Mechanical Data	
Solar cells	TOPCon
Cells orientation	132 [2×(11×6)]
Module dimension	2384×1303×35 mm (With Frame)
Weight	38.5±1.0 kg
Glass	2.0 mm+2.0mm, High Transmission, AR Coated Tempered Glass
Junction box	IP 68, 3 diodes
Cables	4.0 mm ² ,360 mm (With Connectors)
Connectors*	MC4-compatible

*Please refer to regional datasheet for specified connector

Temperature Ratings	
NMOT	41°C ±3°C
Temperature coefficient of Pmax	-0.29%/°C
Temperature coefficient of Voc	-0.25%/°C
Temperature coefficient of Isc	0.05%/°C

*Remark: Do not connect Fuse in Combiner Box with two or more strings in parallel connection

Working conditions	
Maximum system voltage	1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	35 A
Front Side Maximum Static Loading	Up to 5400Pa
Rear Side Maximum Static Loading	Up to 2400Pa