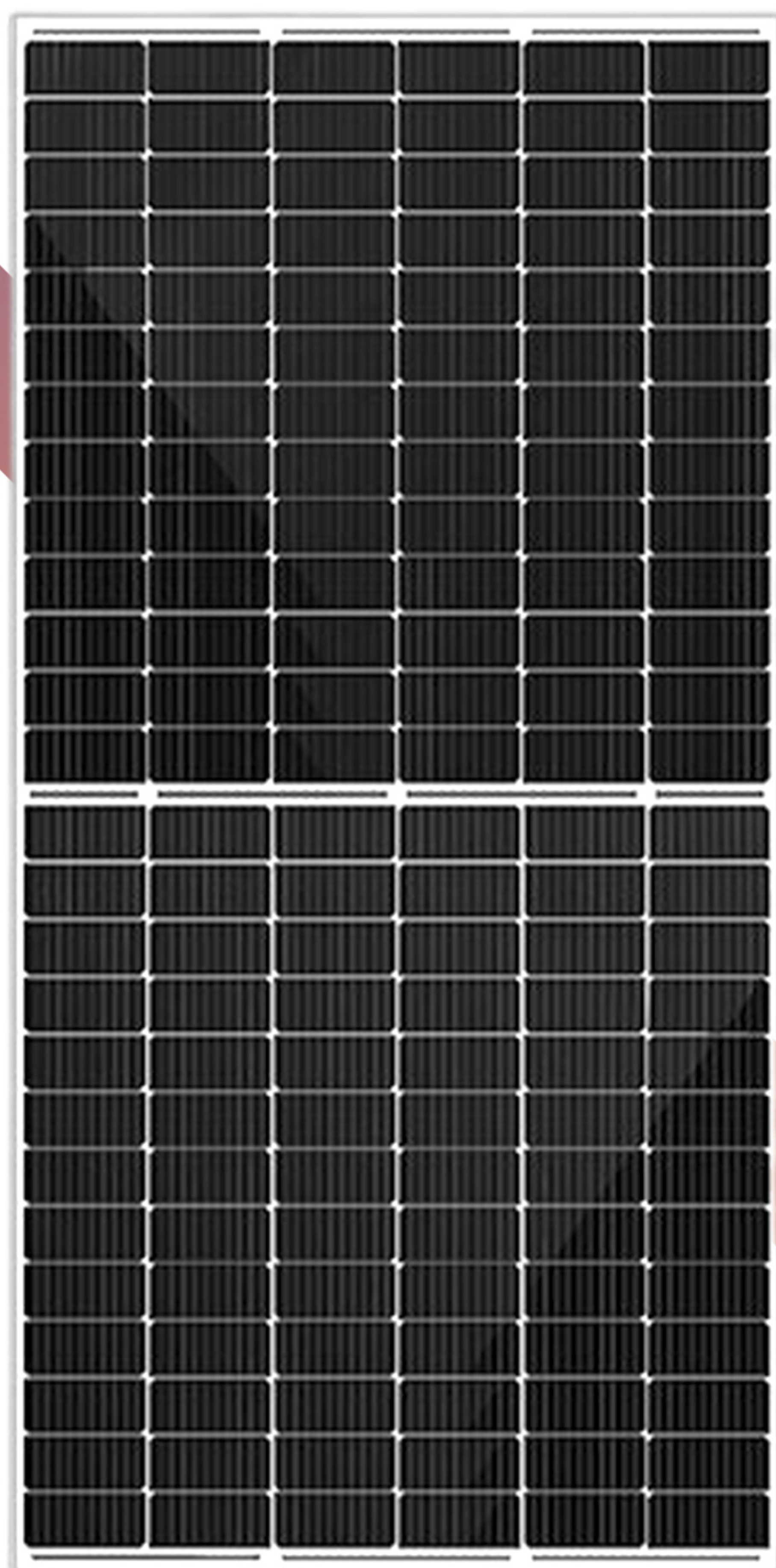


Bhaskara Series M10



SUSTAINABILITY IN EVERY WATT



HIGH PERFORMANCE

- Lowlight Performer
- High power density
- Positive power tolerance



RELIABILITY

- Anti-reflective coated glass
- 12 years Product Warranty
- 30 years Performance Warranty
- Windspeed - 2400 Pa
- Snowload - 5400 Pa



SAFETY

- IP68 Junction box
- Crack Tolerant
- Max. system voltage, 1500 Vdc

MONO-PERC BIFACIAL GLASS TO GLASS MODULE 580-610Wp

World-Class Solar Panels– Made in India

Smart Efficiency – High-performance 156X half-cut Mono Crystalline Mono-Perc Bi-Facial Solar Cells for superior energy output.

Unmatched Reliability – Built with the highest quality materials and subjected to rigorous in-house testing.

State-of-the-Art Technology – Manufactured using advanced production lines for precision and excellence.

Versatile Applications – Ideal for utility-scale projects, rooftop installations, and various other applications.

Vision

Our vision is to establish a 2.5 GW integrated solar facility, setting new benchmarks in quality, reliability, and sustainability.

Certifications



Registered Office: DGS Sheetal Regalia, Office no. 220,221,222,223,224, 2nd Floor, Nensey Colony, Borivali East, Maharashtra-400066
Contact: 1800-268-2244 (Toll Free) / +91-22-3185-6336
solar@krivienergy.com

Factory Address: Plot no. 3, Unit-2, Shivanta Global Industrial park, Behind Perfect RMC Plant, Near Jarod crossing, Vadodara-Halol Road, Vadodara- 391510
Contact: 1800-268-2244 (Toll Free)

www.KriviEnergy.com

MONO-PERC BIFACIAL GLASS TO GLASS MODULE

580-610 Wp

TECHNICAL SPECIFICATIONS

At STC: 1000 W/m², 25°C (STC in accordance with IEC 60904)

TYPE/MODEL		KRP585BM10	KRP590M10	KRP595BM10	KRP600BM10	KRP605BM10	KRP610BM10
Max Rated Power, (Pm)	[Wp]	585	590	595	600	605	610
Maximum Power Voltage, (Vmp)	[V]	45.21	45.34	45.53	45.72	45.92	46.11
Open Circuit Voltage, (Voc)	[V]	53.73	53.87	54.10	54.33	54.55	54.78
Short Circuit Current, (Isc)	[A]	13.83	13.9	13.96	14.02	14.08	14.14
Maximum Power Current, (Imp)	[A]	12.95	13.02	13.08	13.13	13.19	13.24
Module Efficiency, (η)	[%]	20.92	21.10	21.28	21.46	21.63	21.81

At low irradiance (200W/M² 25°C and AM15) the module yields at least 95% of the STC efficiency. Test Uncertainty ±3%

BIFACIAL GAIN

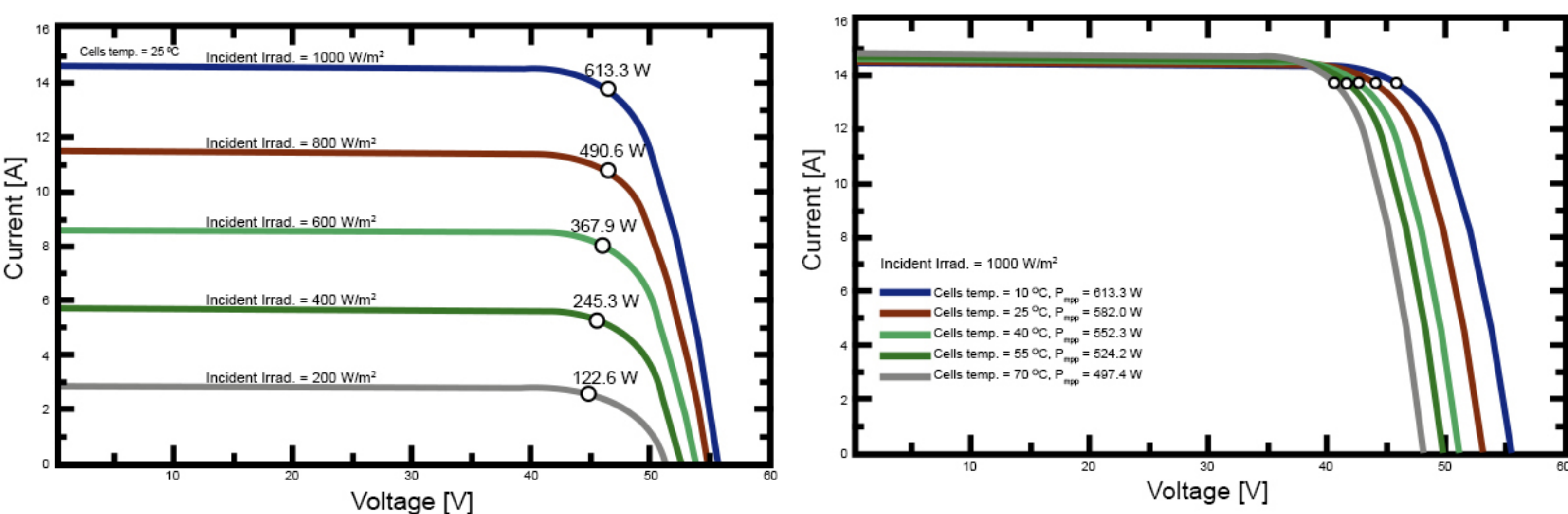
TYPE/MODEL		KRP585BM10	KRP590M10	KRP595BM10	KRP600BM10	KRP605BM10	KRP610BM10
5%	PM(Wp) EFF(%)	614.25 21.97	619.50 22.15	624.75 22.34	630.00 22.53	635.25 22.72	640.50 22.90
10%	PM(Wp) EFF(%)	643.50 23.01	649.00 23.21	654.50 23.40	660.00 23.60	665.50 23.80	671.00 23.99
15%	PM(Wp) EFF(%)	672.75 24.06	678.50 24.26	684.25 24.47	690.00 24.67	695.75 24.88	701.50 25.09
20%	PM(Wp) EFF(%)	702.00 25.10	708.00 25.32	714.00 25.53	720.00 25.75	726.00 25.96	732.00 26.18
25%	PM(Wp) EFF(%)	731.25 26.15	737.50 26.37	743.75 26.60	750.00 26.82	756.25 27.04	762.50 27.27
30%	PM(Wp) EFF(%)	760.50 27.20	767.00 27.43	773.50 27.66	780.00 27.89	786.50 28.13	793.00 28.36

* The bifacial gain depends on the system design, tilt angle, base surface and structure height.

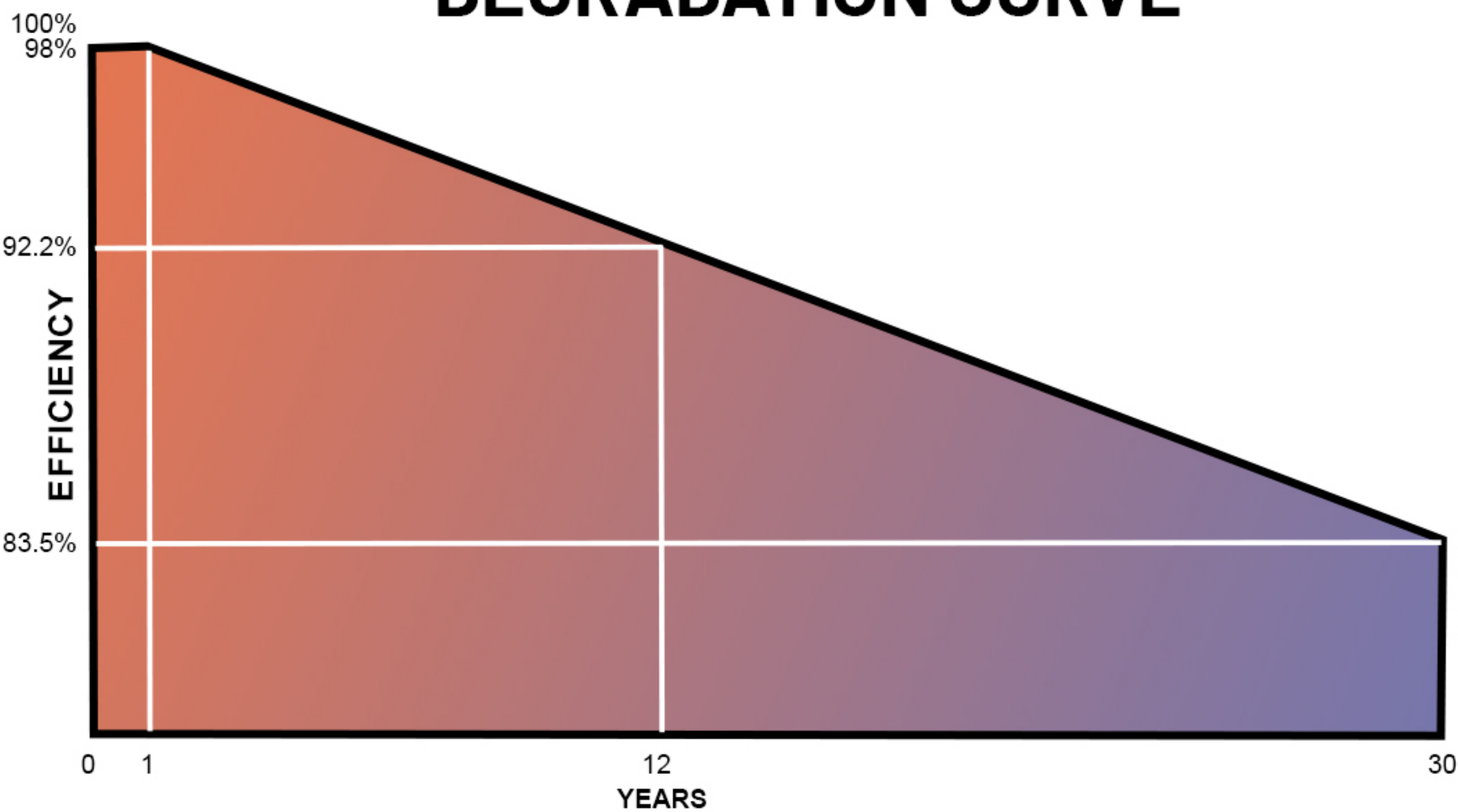
THERMAL COEFFICIENTS

Thermal Coefficient for Open Circuit Voltage	-0.25% /°C
Thermal Coefficient for Short Circuit Current	0.050% /°C
Thermal Coefficient for Max Power	-0.34% /°C
NOCT	45°C ± 2°C
Operating Temperature	-40°C TO 85°C
Bifaciality	80 ± 5%

I-V CURVE



DEGRADATION CURVE



At NOCT: 800 W/m², 45±2°C, Amb. temperature at 20°C, 1 m/s Wind Velocity

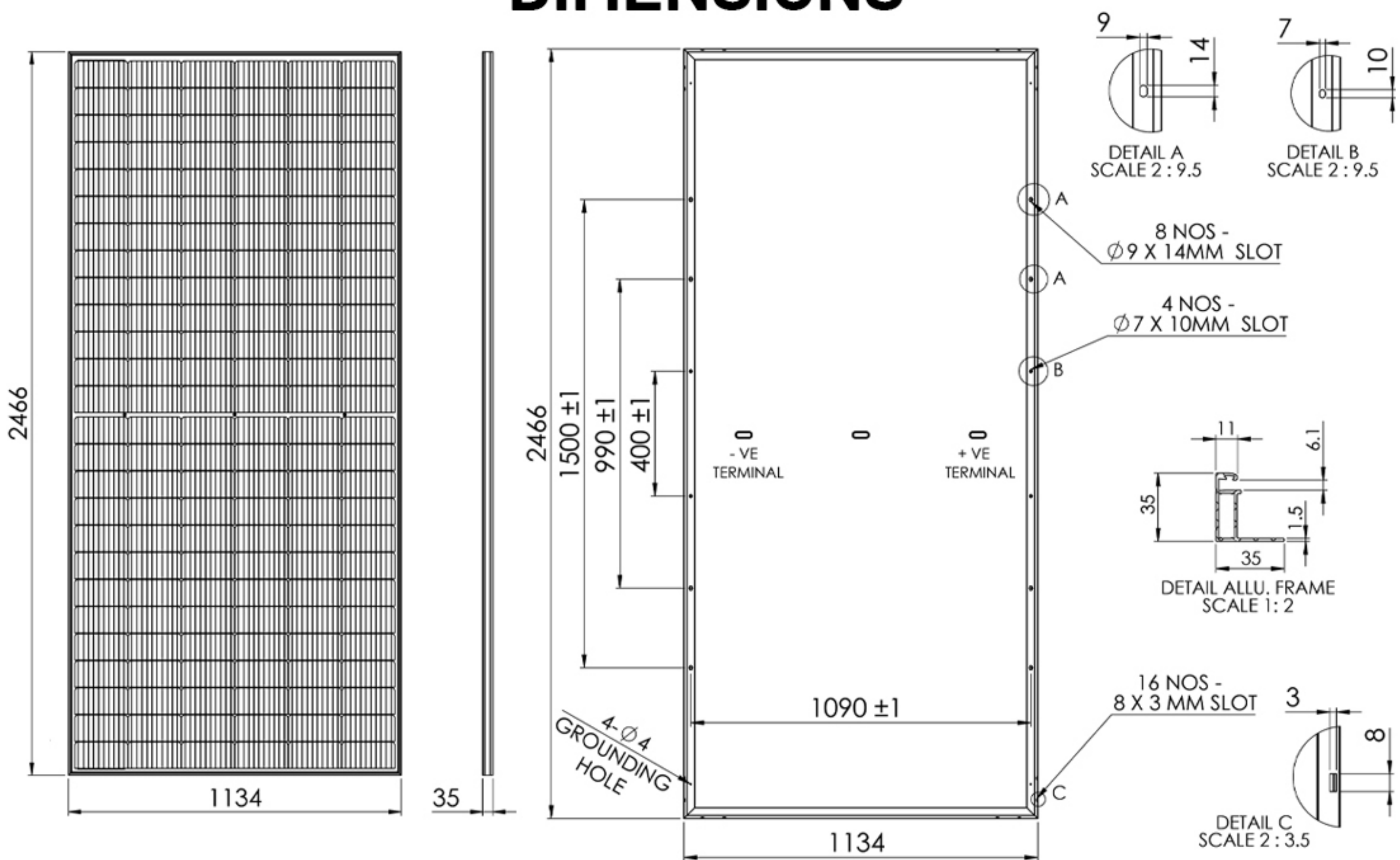
TYPE/MODEL		KRP585BM10	KRP590M10	KRP595BM10	KRP600BM10	KRP605BM10	KRP610BM10
Max Rated Power, (Pm)	[Wp]	436.18	439.90	443.63	447.36	451.09	454.82
Maximum Power Voltage, (Vmp)	[V]	42.95	43.07	43.26	43.44	43.62	43.80
Open Circuit Voltage, (Voc)	[V]	51.04	51.18	51.39	51.61	51.83	52.04
Short Circuit Current, (Isc)	[A]	13.97	14.04	14.10	14.16	14.22	14.28
Maximum Power Current, (Imp)	[A]	13.08	13.15	13.21	13.26	13.32	13.37
Module Efficiency, (η)	[%]	15.60	15.73	15.86	16.00	16.13	16.26

At low irradiance (200W/M² 25°C and AM15) the module yields at least 95% of the STC efficiency. Test Uncertainty ±3%

MECHANICAL DATA

Weight	35 Kgs
Length x Width x Thickness (L x W x T)	2465 X 1134 X 35 MM
Solar Cell	M10
Solar Cell Type & Size	156 HALF CELL 182 X 182 MM
Front Glass (Material / Thickness)	2 MM AR SEMI TEMPERED GLASS
Back Glass (Material / Thickness)	2 MM SEMI TEMPERED GLASS
Junction Box (Protection degree / Material)	IP68
Connector	MC4
Cable cross - section & Length	NO. 12 AWG, 4MM2 X 400 MM
Frame	ANODISED ALUMINIUM ALLOY

DIMENSIONS



WARRANTY TERMS

Product Warranty	12 YEARS
Performance Warranty	30 YEARS
1st Year Degradation	2%
2nd to 30th Degradation	0.50%

- The electrical data given here is for reference purpose only.
- Please confirm your exact requirements with the sales representative while placing order.
- Refer installation Manual instructions & Krivi Energy warranty statement for terms & conditions.
- Krivi Energy Reserves the right to change the specifications without prior notice.

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