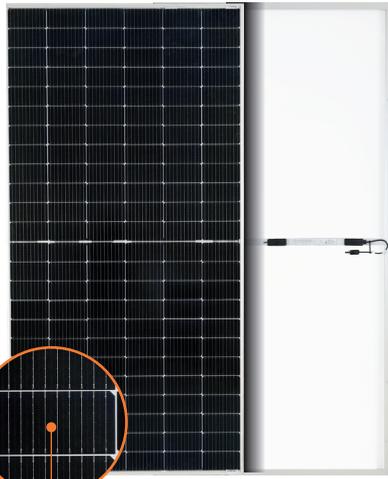


M10-144 GLASS-BACKSHEET

MONOFACIAL HALF CUT FRAMED MODULE



10 BB Half Cell Technology

 **525 - 545 WATT**

 **UP TO 21.1% MODULE EFFICIENCY**

 **25 YEARS POWER OUTPUT WARRANTY**

 **10 YEARS PRODUCT WARRANTY**

PERC Cell Technology

With the optimized passivation and rear surface reflector design, the highest Voc and Isc values are achieved.

High Performance with M10 Cell

With large size M10 cells, power gain per module is increased and system installation costs are reduced.

Half Cut Technology

Half-cell PERC technology modules reduce power loss, while 3-piece junction box provides better performance in shadowing conditions.

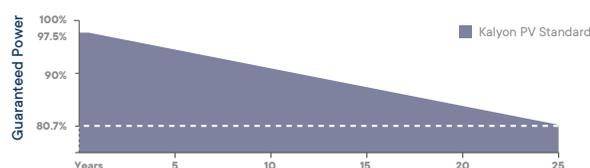
Anti-PID Cells

Long-term and reliable field performance with anti-PID cells.



PERFORMANCE WARRANTY

10 Years Product Warranty. 25 Years Power Output Warranty



From the 2nd year to the 25th year, the average annual power decline will be no more than 0.55%.

CERTIFICATES

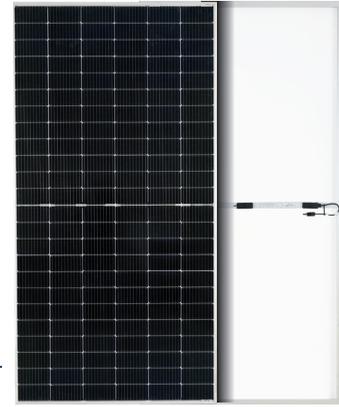
ISO Certificates: ISO 9001 / ISO 14001 / ISO 45001

IEC Certificates: IEC 61215 : 2018 / IEC 61730-1 : 2018

IEC 61730-2 : 2018 / IEC 61701 / IEC 62716 / IEC 62804 PID

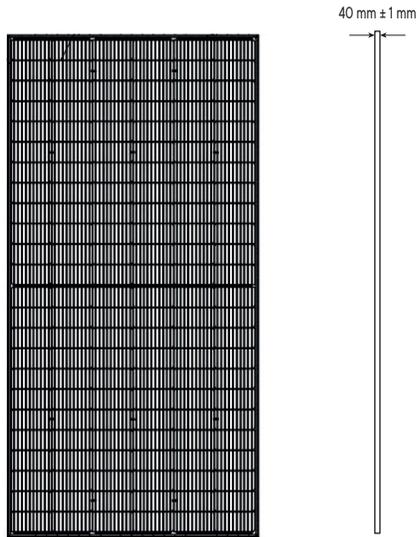


KY-525B-72H-GWB, KY-530B-72H-GWB,
KY-535B-72H-GWB, KY-540B-72H-GWB, KY-545B-72H-GWB



M10-144 GLASS-BACKSHEET

MONOFACIAL HALF CUT FRAMED MODULE

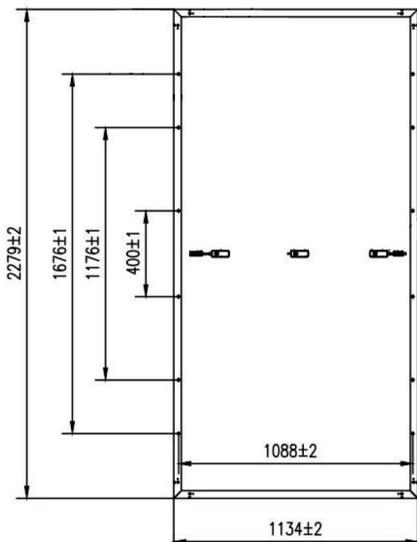


STRUCTURAL PARAMETERS

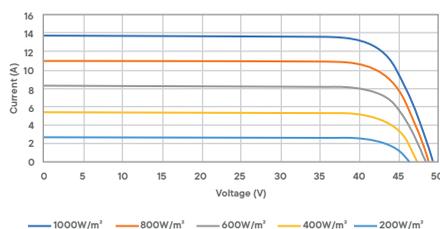
Cell	Type	Mono-C Silicon Bifacial PERC	Module Size	Length	2279 mm ± 2 mm
	Number	144 pcs, Half Cut		Width	1134 mm ± 2 mm
	Size	182 mm x 91 mm		Thickness	40 mm ± 1 mm
Junction Box	Bypass Diode	3 pcs	Mounting Holes	Number	12
	Degree of Protection	IP67/IP68		Size	9 mm x 14 mm Radius: 4.5 mm
	Cable Length	30 cm (Customized)		Mounting Hole Spacing (Long Side)	1676/1176/400 ± 1 mm
	Connector	Compatible with MC4		Mounting Hole Spacing (Horizontal Axis)	1088 mm ± 2 mm
	Rated Current	25 A	Weight	40 mm Frame	27 kg ± 5%
Glass	AR Coating Half Tempered, 3.2 mm Thickness		Grounding Holes	Number	8
				Size	Diameter: 4 mm

WORKING CONDITIONS

System Voltage	1500 VDC	Maximum Static Mechanical Load	Negative	2400 Pa
Operating Temperature	-40~ + 85 °C		Positive	3600 Pa
Maximum Protection Current	25 A	Nominal Module Operating Temperature (NMOT)		45 ± 2 °C
		Fire Type: 1	Protection Type: Class II	



Front Side I-V Curve @200, 400, 600, 800, 1000 W/m²



ELECTRICAL PARAMETER

Type	525		530		535		540		545	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (W)	525	390	530	394	535	398	540	402	545	405
Open Circuit Voltage (V)	49.05	45.70	49.20	45.80	49.35	46.00	49.50	46.10	49.65	46.20
Short Circuit Current (A)	13.66	11.03	13.72	11.07	13.78	11.13	13.85	11.19	13.92	11.24
Working Point Voltage (V)	41.20	37.82	41.35	37.96	41.50	38.12	41.65	38.26	41.80	38.39
Working Point Current (A)	12.75	10.33	12.83	10.39	12.90	10.45	12.97	10.51	13.04	10.57
PV Module Efficiency (%)	20.31	18.86	20.51	19.06	20.70	19.25	20.89	19.44	21.09	19.59
Power Tolerance (W)	0 ~ +5									

* Standard Test Conditions (STC): Irradiance 1000 W/m², Air Mass 1.5, Module Temperature 25 °C, Measurement Tolerance ±2.5%.
 ** Nominal Module Operating Temperature (NMOT): Irradiance 800 W/m², Ambient Temperature 20 °C, Wind Speed 1 m/s.

TEMPERATURE COEFFICIENTS

Temperature Coefficient of Isc	+0.049 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Pmax	-0.37 %/°C