

Solar Modules 530W – 550W


10 MBB Half Cut
Half Cell Technology


Long investment life with
25 years of performance


Short investment payback period
for public and commercial projects


Low maintenance and repair costs


Anti-PID, low hot spot risk

 **Half-Cut Technology:**
With Half-Cut technology, there
is less shading and power loss.

 **High Durability:**
High-level resistance against 2400
Pa wind load and 5400 Pa snow load.

 **PERC Cell:**
With high-efficiency PERC cells,
more power output in less space.

 **High Efficiency:**
High panel efficiency even in challenging
conditions for high power in low irradiance.

 **3 Point Electroluminescence Test:**
To achieve the highest quality, microcrack inspection with
EL testing at three points starting from the Stringer.

WARRANTY

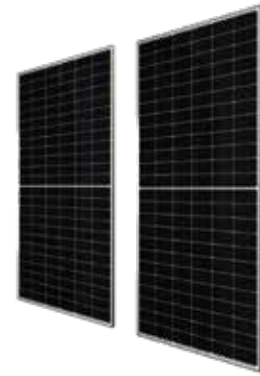
 **12
YIL
YEAR** Product Warranty

 **25
YIL
YEAR** Performance Warranty

CERTIFICATES

 TUV Certificates: IEC 61215 IEC 61730-1 IEC 61730-2
ISO Certificates: ISO 9001 ISO 14001 ISO
45001 ISO 10002 ISO 50001





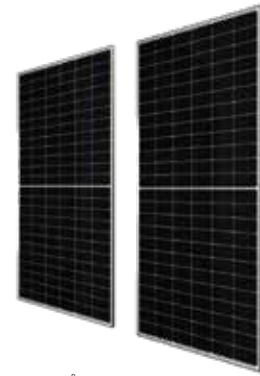
530W – 550W 72MI0 / IOMBB HALF CUT CELL MONO PV MODULE

MECHANICAL SPECIFICATION

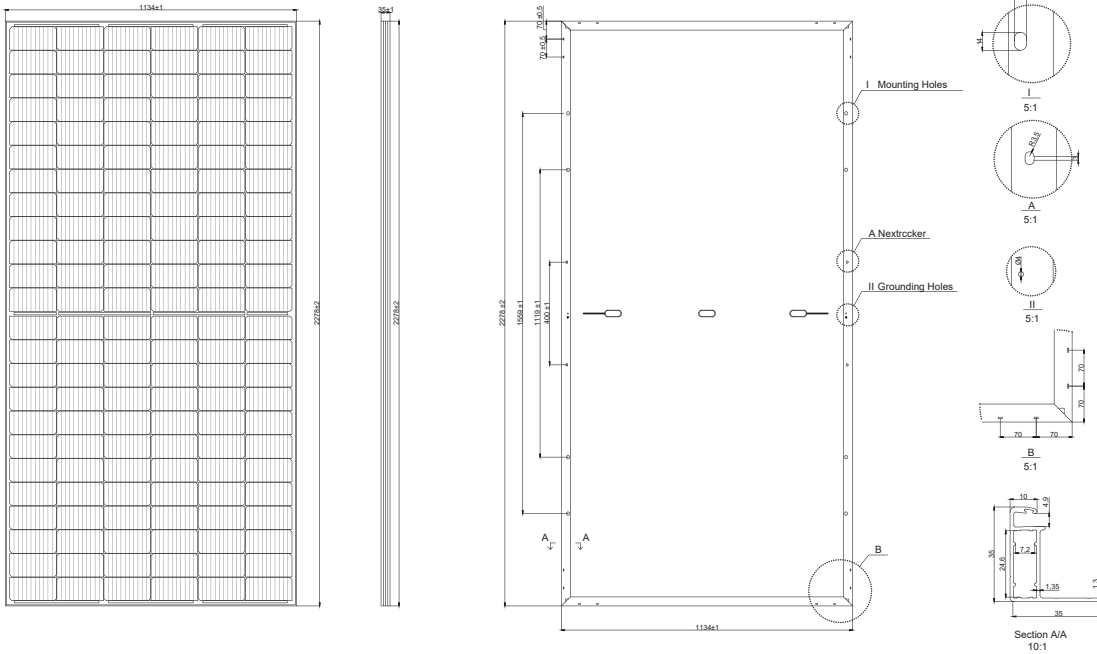
Cell Type	Mono Crystalline 182x91 mm
Number of Cell	144 (6x24)
Panel Dimensions	2278x1134x35 mm
Weight	29.0 kg
Glass	3.2 mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Connection Box	Split Junction Box IP68, Three Diode
Connector	MC4 Compatible
Cable	4.0 mm ² , +300 mm, -300 mm Customized Length

ELECTRICAL CHARACTERISTICS

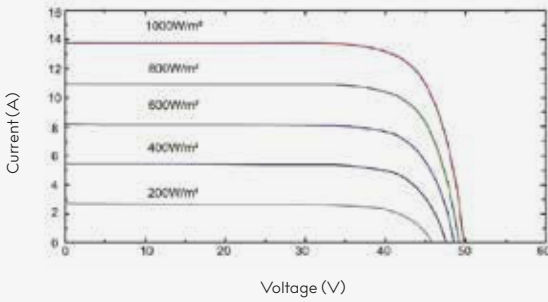
Module Type	530W	535W	540W	545W	550W
Max Power at STC, P _{max}	530W	535W	540W	545W	550W
Short Circuit Current, I _{sc}	13.58A	13.63A	13.70A	13.76A	13.82A
Open Circuit Voltage, V _{oc}	49.40V	49.60V	49.80V	50.00V	50.20V
Max Power Current, I _{mpp}	12.75A	12.80A	12.86A	12.92A	12.98A
Max Power Voltage, V _{mpp}	41.60V	41.80V	42.00V	42.20V	42.40V
Module Efficiency	20.50%	20.70%	20.89%	21.09%	21.28%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Max System Voltage	1500V DC				
Max Series Fuse	25A				
Increased Snow Load	5400 Pa				
Operating Temperature	-40 ~ +85 °C				
Temperature Coefficient, P _{max}	-0.35% / °C				
Temperature Coefficient, V _{oc}	-0.27% / °C				
Temperature Coefficient, I _{sc}	0.05% / °C				



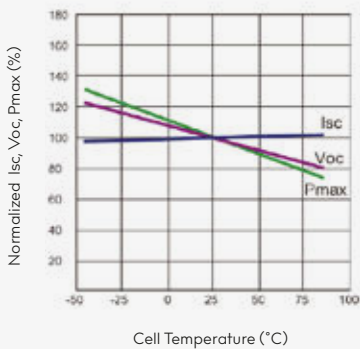
MECHANICAL DRAWINGS



I-V CURVES

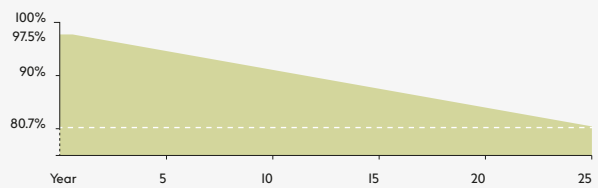


Power voltage current curve at different temperature



LINEAR PERFORMANCE WARRANTY

- 12 Years Manufacturing Warranty
- 12 Years 90% Power Output
- 25 Years 80% Power Output



PACKING CONFIGURATION

Container	40' HQ
Pieces Per Pallet	31
Pallets Per Container	20
Pieces Per Container	620