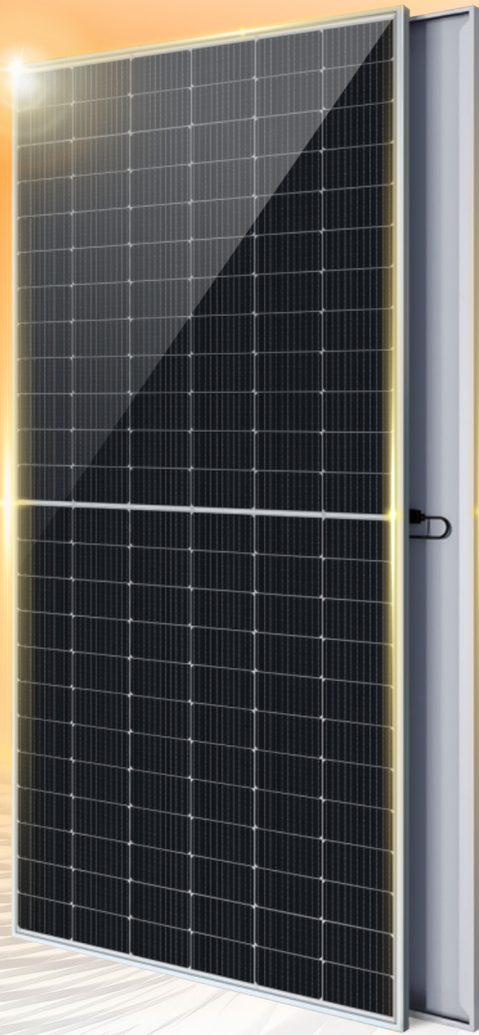


LIGHT M10/144S

535~560W



12 years
Product Warranty



25 years
Linear Power Warranty



First year power
degradation $\leq 2\%$



Higher Efficiency



Higher Reliability



PID Resistance



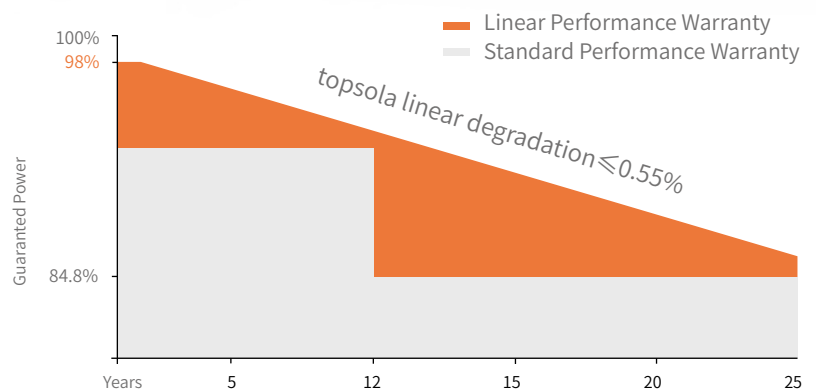
MBB Half-cut Cell
Technology



Low BOS cost & LCOE



PRODUCT WARRANTY



*please refer to Topsola details

STC: (Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5)

Module Type	TY535M-144HM	TY540M-144HM	TY545M-144HM	TY550M-144HM	TY555M-144HM	TY560M-144HM
Maximum Power (Pmax) [W]	535	540	545	550	555	560
Maximum Power Voltage (Vmp) [V]	40.63	40.7	40.8	40.9	40.99	41.09
Maximum Power Current (Imp) [A]	13.17	13.27	13.36	13.45	13.54	13.63
Open Circuit Voltage (Voc) [V]	49.34	49.42	49.52	49.62	49.72	49.82
Short Circuit Current (Isc) [A]	13.79	13.85	13.94	14.03	14.12	14.21
Module Efficiency [%]	20.7	20.9	21.1	21.3	21.5	21.7
Power Tolerance	0~+5W					

TEMPERATURE RATINGS (STC)

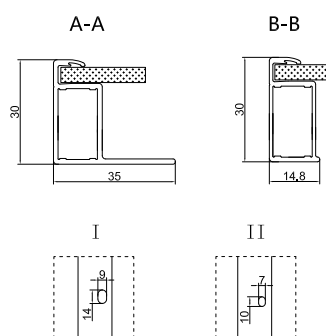
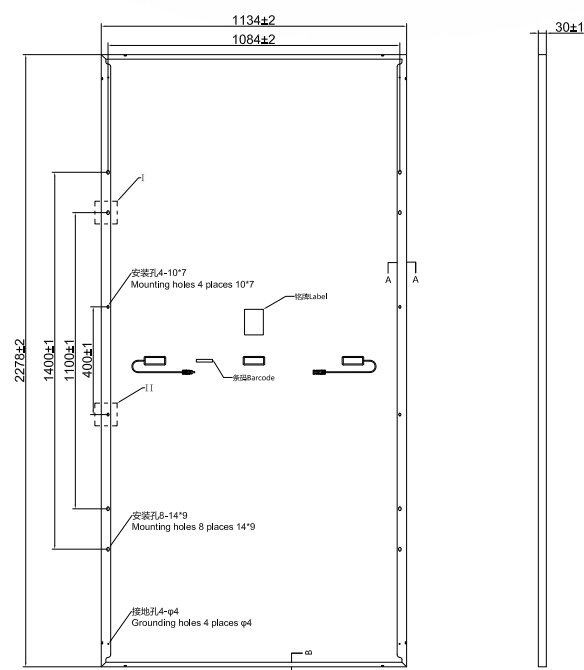
Temperature Coefficient (Pmax)	- 0.356 %/°C
Temperature Coefficient (Voc)	- 0.271 %/°C
Temperature Coefficient (Isc)	+0.050 %/ °C
NOCT, Nominal Operating Cell Temperature	45± 2 °C

OPERATING PARAMETERS

Max. system voltage	1500VDC (IEC)
Maximum series fuse rating	25A
No. of diodes	3
Junction box IP rating	IP68
Operating Temperature	-40~+85°C

MECHANICAL CHARACTERISTICS

Dimensions(mm)	2278±2
Cell type	P-type mono-crystalline
No. of cells	144 (6*24)
Frame technology	Aluminum, silver anodized
Front glass thickness(mm)	3.2
Cable Length (Including connector) (mm)	300
Cable diameter	4mm ²
Connector type	MC4 Compatible
Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Module weight (Kg)	27.5
Packing style	Carton box
Pieces Per Pallet	36 pcs/pallet
Pallets Per Container	20 pallet/container
Pieces Per Container	720pcs/40'HQ

ENGINEERING DRAWINGS

CURVE
