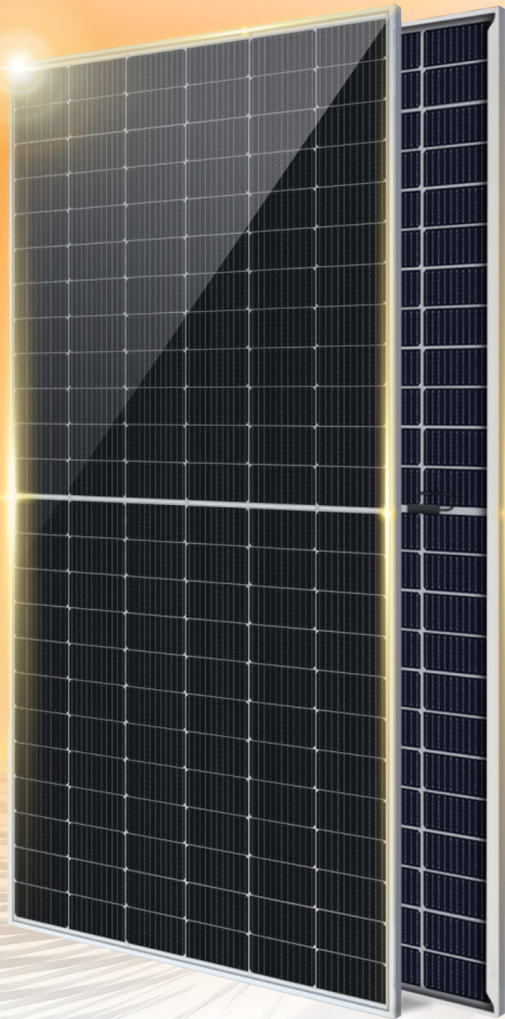


LIGHT M10/144D

535~560W



12 years
Product Warranty



30 years
Linear Power Warranty



First year power
degradation $\leq 2\%$



Higher Efficiency



Higher Reliability



PID Resistance



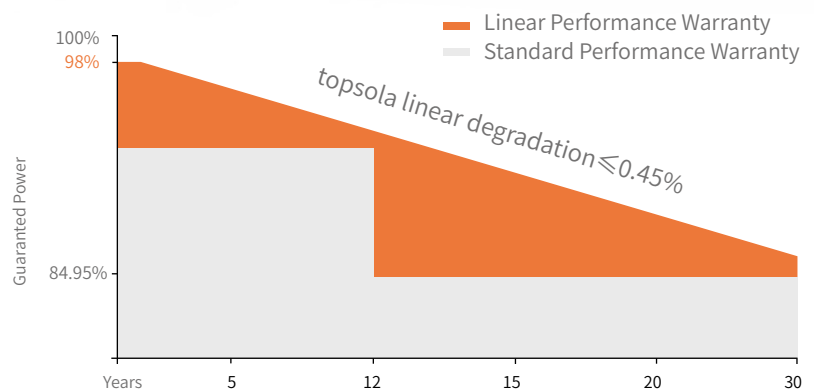
Bifacial Power



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-DG	TY540M-144HM-DG	TY545M-144HM-DG	TY550M-144HM-DG	TY555M-144HM-DG	TY560M-144HM-DG
Maximum Power (Pmax) [W]	535	540	545	550	555	560
Maximum Power Voltage (Vmp) [V]	40.94	41.13	41.32	41.51	41.7	41.89
Maximum Power Current (Imp) [A]	13.07	13.13	13.19	13.25	13.31	13.37
Open Circuit Voltage (Voc) [V]	49.54	49.73	49.92	50.11	50.3	50.49
Short Circuit Current (Isc) [A]	13.83	13.89	13.95	14.01	14.07	14.13
Module Efficiency [%]	20.7	20.9	21.1	21.3	21.5	21.7
Power Tolerance	0~+5W					

TEMPERATURE RATINGS (STC)

Temperature Coefficient (Pmax)	- 0.345 %/°C
Temperature Coefficient (Voc)	- 0.263 %/°C
Temperature Coefficient (Isc)	+0.049 %/ °C
NOCT, Nominal Operating Cell Temperature	45± 2 °C

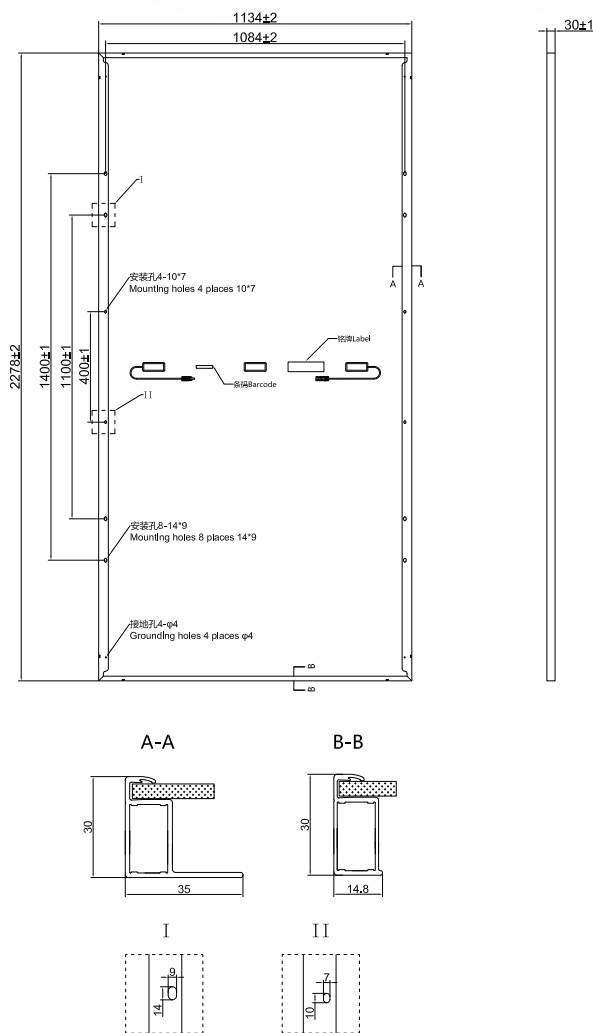
OPERATING PARAMETERS

Max. system voltage	1500VDC (IEC)
Maximum series fuse rating	30A
No. of diodes	3
Junction box IP rating	IP68
Operating Temperature	-40~+85°C

MECHANICAL CHARACTERISTICS

Dimensions(mm)	2278x1134x30
Cell type	P-type mono-crystalline
No. of cells	144 (6*24)
Frame technology	Aluminum, silver anodized
Front/Back glass thickness(mm)	2.0+2.0
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)	32
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

