

# PHOENIX M10/144S

**565~585W**



12 years  
Product Warranty



30 years  
Linear Power Warranty



First year power  
degradation ≤1%



Higher Efficiency



Higher Reliability



PID Resistance



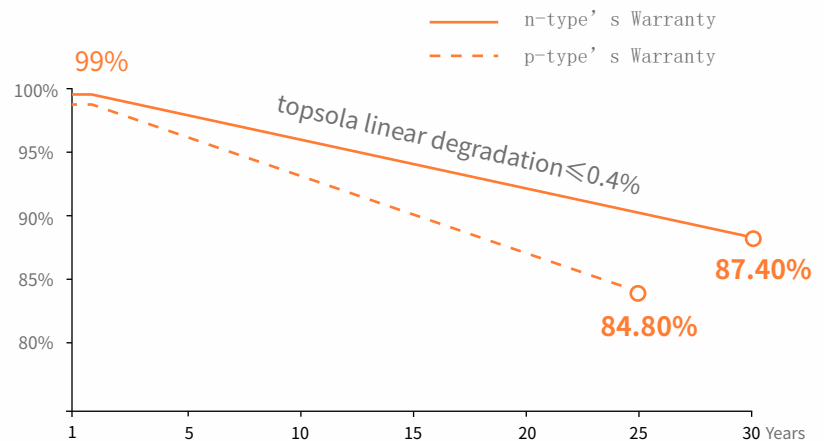
Topcon Half-cut  
Cell Technology



Low BOS cost & LCOE



## PRODUCT WARRANTY



\*please refer to Topsola details

**STC: (Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5)**

Module Type	TY565N-144HM	TY570N-144HM	TY575N-144HM	TY580N-144HM	TY585N-144HM
Maximum Power (Pmax) [W]	565	570	575	580	585
Maximum Power Voltage (Vmp) [V]	41.98	42.13	42.28	42.43	42.58
Maximum Power Current (Imp) [A]	13.46	13.53	13.60	13.67	13.74
Open Circuit Voltage (Voc) [V]	50.60	50.74	50.88	51.02	51.16
Short Circuit Current (Isc) [A]	14.20	14.28	14.36	14.44	14.52
Module Efficiency [%]	21.87	22.07	22.26	22.45	22.65
Power Tolerance	0~+5W				

**TEMPERATURE RATINGS (STC)**

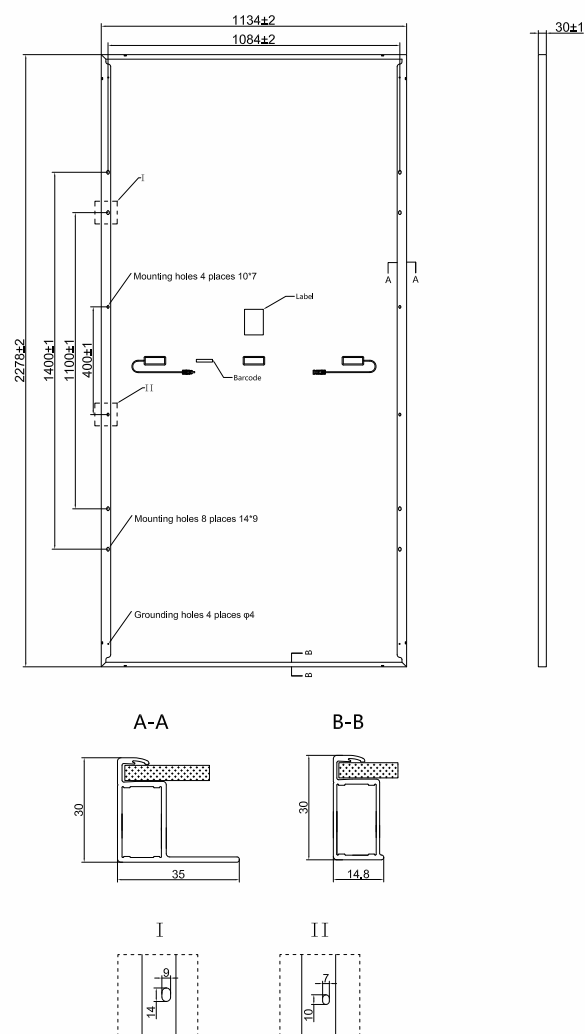
Temperature Coefficient (Pmax)	- 0.29 %/°C
Temperature Coefficient (Voc)	- 0.25 %/°C
Temperature Coefficient (Isc)	+0.044 %/°C
NOCT, Nominal Operating Cell Temperature	45± 2 °C

**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)	2278x1134x30
Cell type	N-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 <sup>2</sup>
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**
