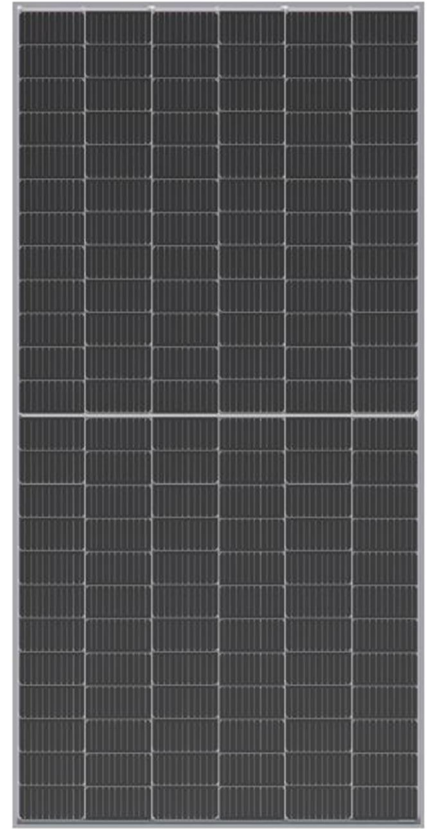


HALF-CELL MONOFACIAL MODULE

540-560W
POWER OUTPUT

21.7%
MAX EFFICIENCY



Efficient conversion rate
Up to 21.7% component conversion efficiency



Excellent low light performance
Able to output more electricity under low light conditions such as cloudy days, morning and evening



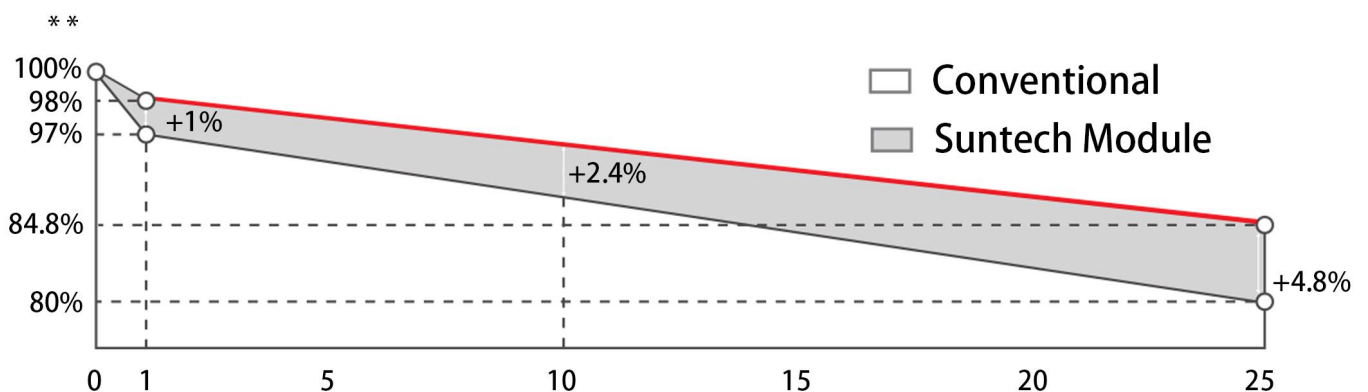
Withstand harsh environments
Reliable quality that makes module resistant even to high temperatures, salt water and ammonia



Superior load capacity
Capable of withstanding negative pressure up to 2400 Pa and positive pressure up to 5400 Pa

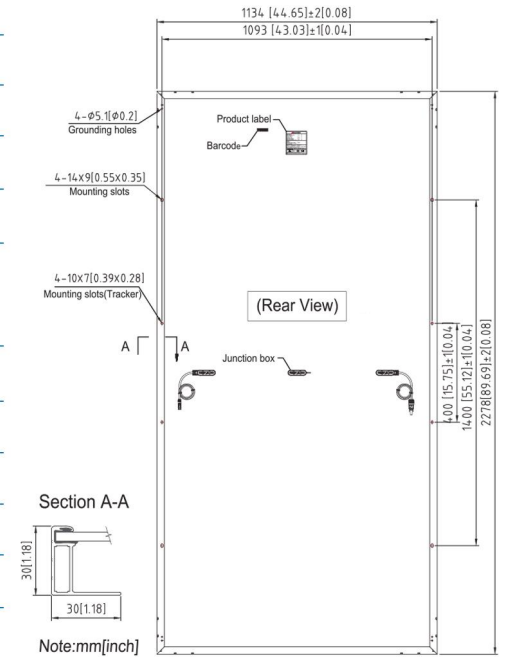
First year power degradation **2%**

Annual degradation **0.55%**



Mechanical Characteristic

Solar Cell	Monocrystalline silicon 182mm
No. of cells	144 (6×24)
Dimensions	2278×134×30mm
Weight	27.5 kgs (60.6 lbs.)
Front/Back Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm ² , (-) 350 mm (+) 160 mm in length or customized length
Operating Module Temperature	-40 ° C to +85 ° C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	25 A
Power Tolerance	0/+5 W
Frame	Anodized aluminum alloy frame



Electrical Characteristics

Module Type	STP560S-C72/Vmh		STP555S-C72/Vmh		STP550S-C72/Vmh		STP545S-C72/Vmh		STP540S-C72/Vmh	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	560	425.2	555	421.4	550	417.7	545	414.2	540	410.5
Optimum Operating Voltage (Vmp/V)	42.40	39.2	42.24	39.0	42.05	38.9	41.87	38.7	41.75	38.5
Optimum Operating Current (Imp/A)	13.21	10.85	13.14	10.80	13.08	10.75	13.02	10.71	12.94	10.65
Open Circuit Voltage (Voc/V)	50.23	47.4	50.07	47.2	49.88	47.0	49.69	46.9	49.54	46.7
Short Circuit Current (Isc/A)	14.14	11.41	14.07	11.35	14.01	11.30	13.96	11.26	13.89	11.21
Module Efficiency (%)	21.7%		21.5%		21.3%		21.1%		20.9%	

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 ° C
Temperature Coefficient of Pmax	-0.34%/° C
Temperature Coefficient of Voc	-0.26%/° C
Temperature Coefficient of Isc	0.050%/° C

Graphs

