

540~560W

AS540-560M10-144

MORE POWER



Maximize the light absorption area, module efficiency up to 21.67%.

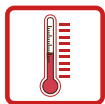


Low temperature coefficient (Pmax): -0.35 % /°C.



Better shading tolerance.

MORE RELIABLE



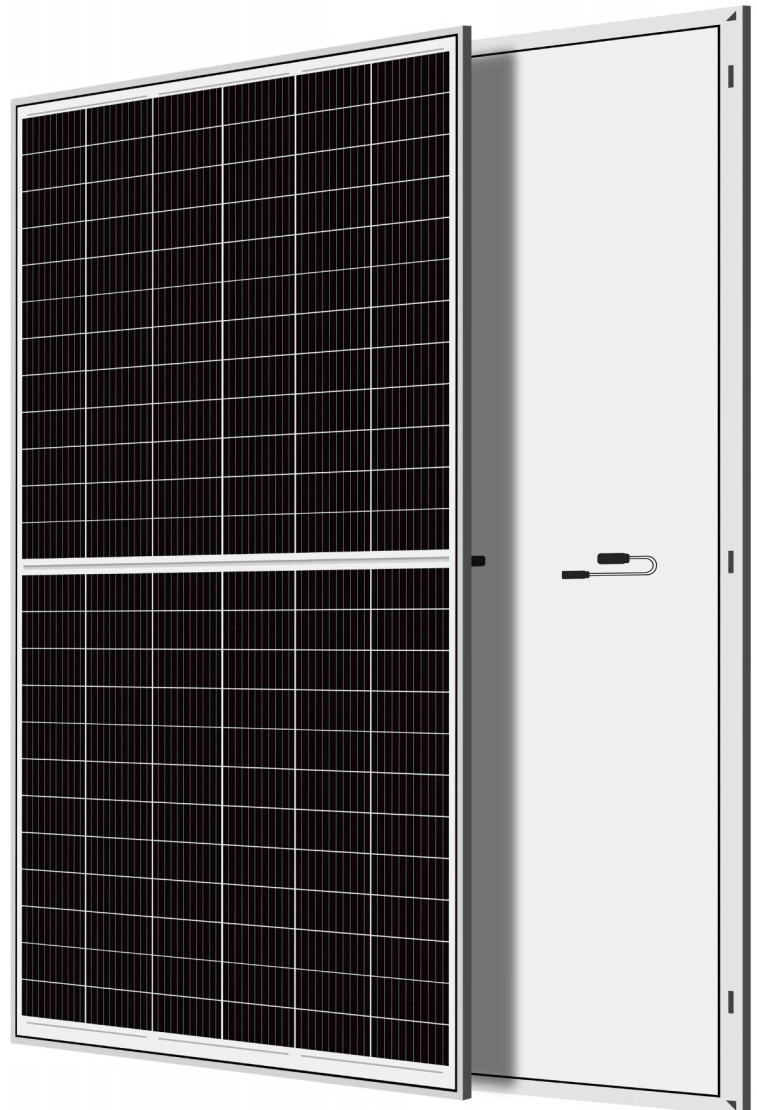
Lower internal current, lower hot spot temperature.



Cell crack risk limited in small region, enhance the module reliability.



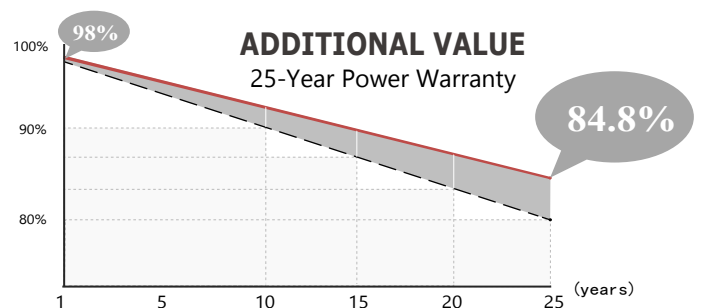
Heavy snow load up to 5400 Pa, wind load up to 2400 Pa.



12-year Product Warranty



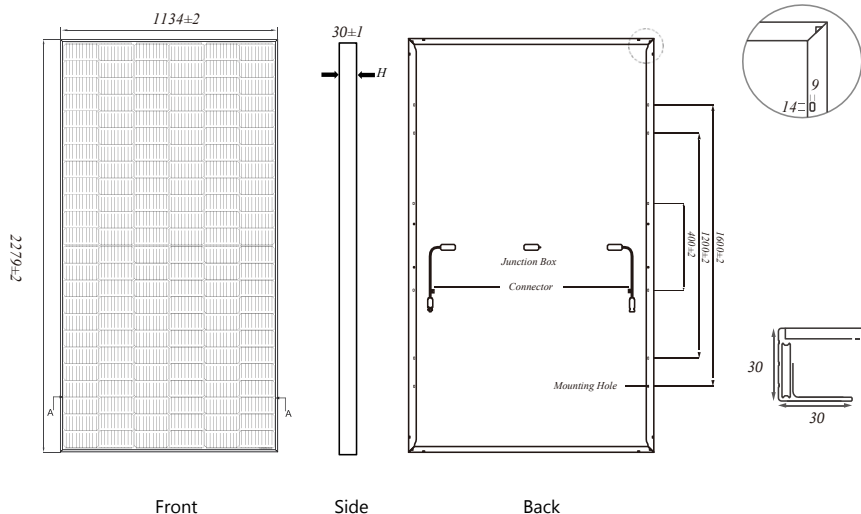
25-year Linear Performance Warranty



AS540-560M10-144

540-560W

Half-Cell High Efficiency PV Module

Weight
28.6kgs±3%
Cells Type
Mono 182x91mm
Dimension(LxWxT)
2279±2mmx1134±2mmx30±1mm
Packaging
36pcs/pallet, 720pcs/40HQ container


Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cell	Mono
No.of cells	144(6x24)
Cable Length	300mm(+)/300mm(-)
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68,3 diodes
Connector	MC4 Compatible

OPERATING PARAMETERS

Maximum System Voltage	1500VDC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	25A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Safety Class	Class II

ELECTRICAL CHARACTERISTICS STC:AM1.5 1000W/m² 25°C NOCT:AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax ±3%

Module Type	AS540M10-144		AS545M10-144		AS550M10-144		AS555M10-144		AS560M10-144	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	540	406.8	545	410.5	550	414.8	555	420	560	424
Open Circuit Voltage(Voc/V)	49.60	46.40	49.75	46.54	49.90	46.68	50.02	46.85	50.15	46.99
Short Circuit Current(Isc/A)	13.86	11.19	13.93	11.24	14.00	11.30	14.07	11.21	14.14	11.26
Voltage at Maximum Power(Vmp/V)	41.64	38.36	41.80	38.52	41.96	38.68	42.11	39.66	42.27	39.85
Current at Maximum Power(Impp/A)	12.97	10.60	13.04	10.66	13.11	10.71	13.18	10.59	13.25	10.64
Module Efficiency(%)	20.89		21.09		21.28		21.48		21.67	

TEMPERATURE RATINGS

Normal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.275%/°C
Temperature Coefficient of Pmax	-0.350%/°C

I-V CURVE(AS540-560M10-144)
