

525~550W

AS525-550M10-144

MORE POWER

UP TO 21.28% Maximize the light absorption area, module efficiency up to 21.28 %.

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

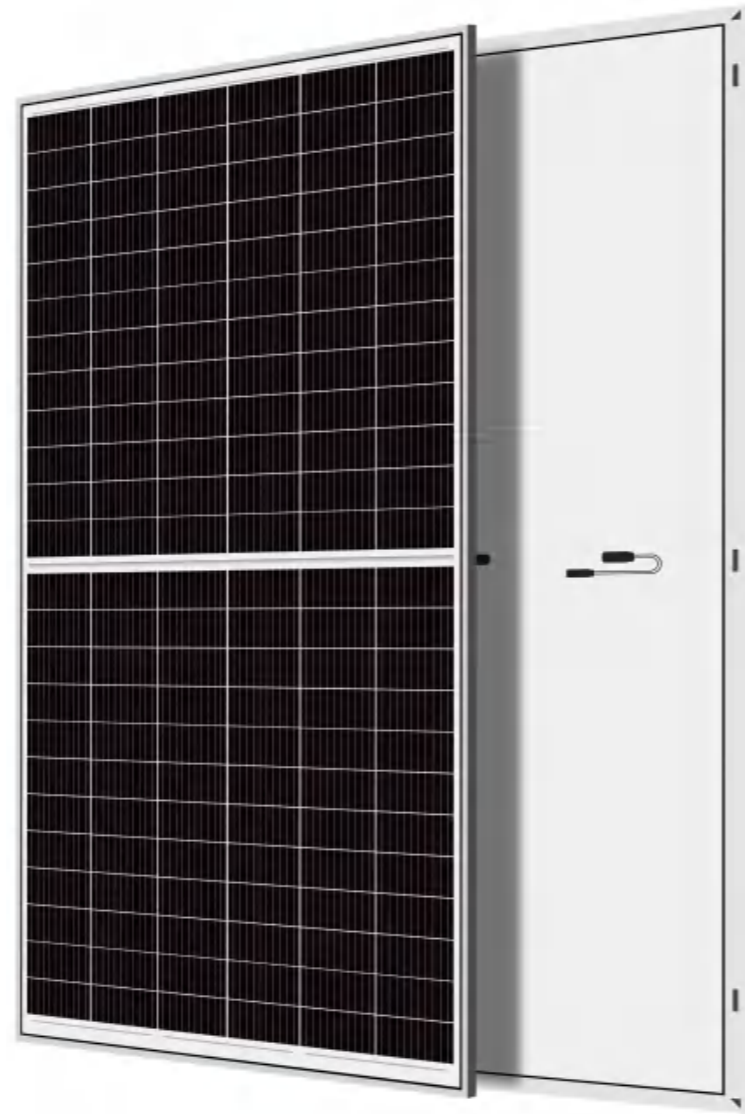
Better shading tolerance.

MORE RELIABLE

Lower internal current, lower hot spot temperature.

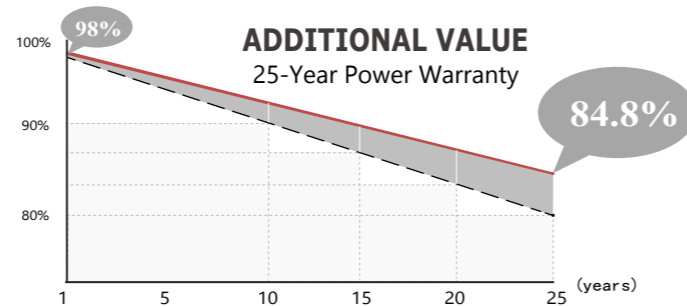
Cell crack risk limited in small region, enhance the module reliability.

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



12 12-year Product Warranty

25 25-year Linear Performance Warranty



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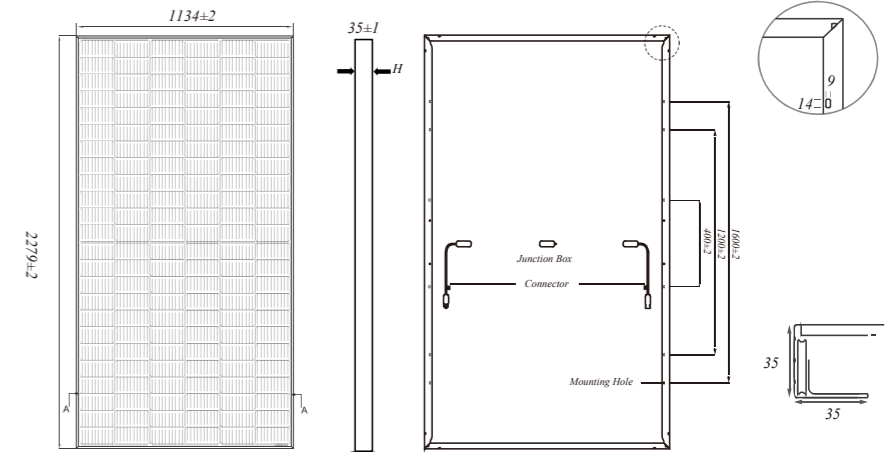
Half-Cell High Efficiency PV Module

Weight
28.6kgs±3%

Cells Type
Mono 182x91mm

Dimension(LxWxT)
2279±2mmx1134±2mmx35±1mm

Packaging
31pcs/pallet, 620pcs/40HQ container



Front Side Back
Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION		OPERATING PARAMETERS	
Cell	Mono	Maximum System Voltage	1500VDC
No.of cells	144(6x24)	Operating Temperature	-40°C~+85°C
Cable Length	300mm(+)/300mm(-)	Maximum Series Fuse	25A
Cable Cross Section Size	4mm ² (IEC)	Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Junction Box	IP68,3 diodes	Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Connector	MC4 Compatible	Safety Class	ClassII

ELECTRICAL CHARACTERISTICS	STC:AM1.5 1000W/m ² 25°C		NOCT:AM1.5 800W/m ² 20°C 1m/s		Test uncertainty for Pmax ±3%							
	AS525M10-144	AS530M10-144	AS535M10-144	AS540M10-144	AS545M10-144	AS550M10-144	STC	NOCT	STC	NOCT		
Module Type	AS525M10-144	AS530M10-144	AS535M10-144	AS540M10-144	AS545M10-144	AS550M10-144						
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	525	395.5	530	399.2	535	403.0	540	406.8	545	410.5	550	414.8
Open Circuit Voltage(Voc/V)	49.15	45.98	49.30	46.12	49.45	46.26	49.60	46.40	49.75	46.54	49.90	46.68
Short Circuit Current(Isc/A)	13.65	11.02	13.72	11.07	13.79	11.13	13.86	11.19	13.93	11.24	14.00	11.30
Voltage at Maximum Power(Vmp/V)	41.15	37.87	41.31	38.03	41.47	38.20	41.64	38.36	41.80	38.52	41.96	38.68
Current at Maximum Power(Imp/A)	12.76	10.44	12.83	10.50	12.90	10.55	12.97	10.60	13.04	10.66	13.11	10.71
Module Efficiency(%)	20.31		20.51		20.70		20.89		21.09		21.28	

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

