

530~560W

AS530-560M10-144

BIFACIAL MONO PERC

MORE POWER

560W Module power up to 560W
Module efficiency up to 21.67 %

\$ Up to 8.9 % lower LCOE
Up to 4.6 % lower system cost

+ Compatible with mainstream trackers, cost effective product for utility power plant

☁ Better shading tolerance

MORE RELIABLE

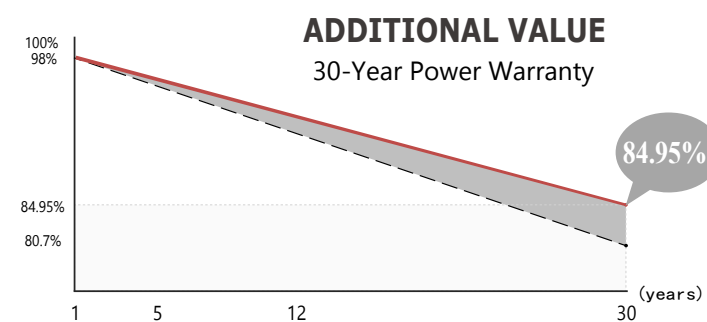
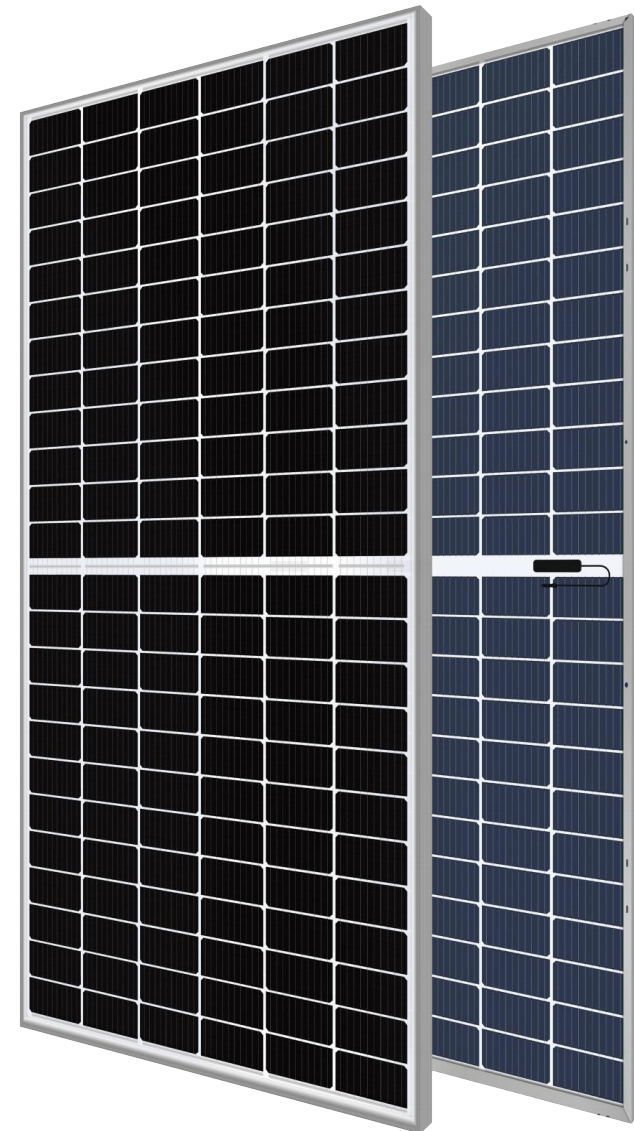
🌡 40 °C lower hot spot temperature, greatly reduce module failure rate

🛡 Minimizes micro-crack impacts

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

15 15-year Warranty for Materials and Processing

30 30-year Warranty for Extra Linear Power Output



530-560W

Bifacial Half-Cell PV Module

Weight

32.3kgs±3%

Cells Type

Mono 182x91mm

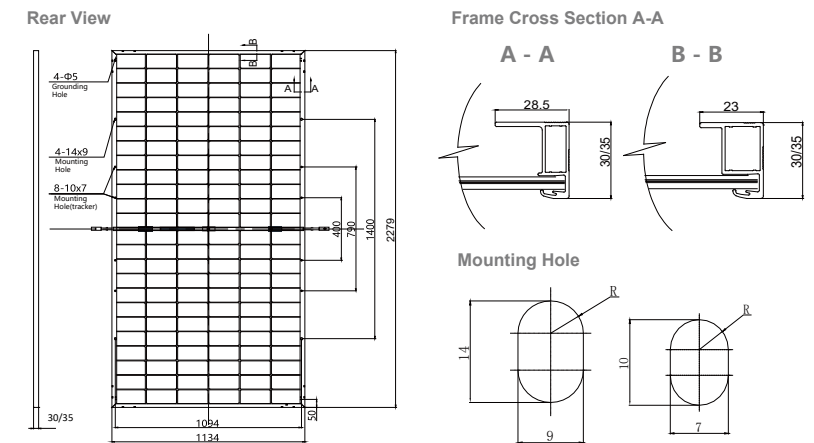
Dimension(LxWxT)

2279±2mmx1134±2mmx30/35±1mm

Packaging

36pcs/pallet, 720pcs/40HQ container(30mm)

31pcs/pallet, 620pcs/40HQ container(35mm)



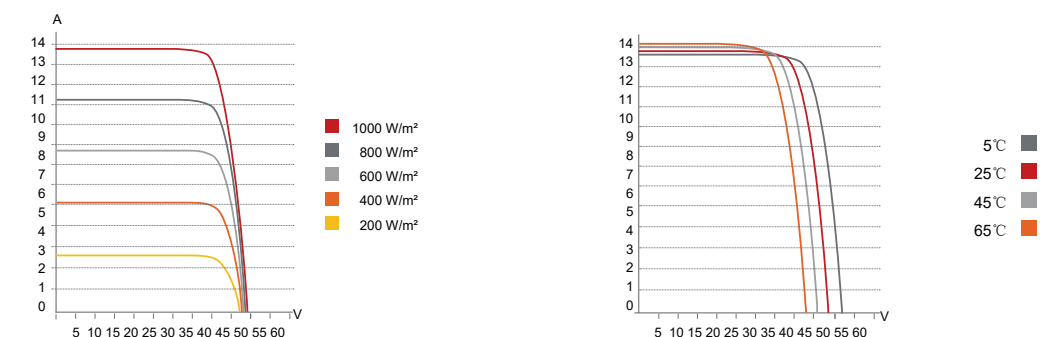
Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION				OPERATING PARAMETERS			
Cell	Mono			Maximum System Voltage	1500VDC		
No.of cells	144(6x24)			Operating Temperature	-40°C ~ +85°C		
Cable Length	410mm(+)/290mm(-)			Maximum Series Fuse	30A		
Cable Cross Section Size	4mm²(IEC)			Maximum StaticLoad,Front	5400Pa(112lb/ft²)		
Junction Box	IP68,3 diodes			Maximum StaticLoad,Back	2400Pa(50lb/ft²)		
Connector	MC4 Compatible			Safety Class	ClassII		

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		AS530M10-144	AS535M10-144	AS540M10-144	AS545M10-144	AS550M10-144	AS555M10-144	AS560M10-144							
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)		530	399.2	535	403.0	540	406.8	545	410.5	550	414.8	555	418.6	560	422.4
Open Circuit Voltage(Voc/V)		51.85	46.12	51.97	46.26	52.09	46.40	52.21	46.54	52.33	46.68	52.45	46.82	52.57	46.96
Short Circuit Current(Isc/A)		13.18	11.07	13.24	11.13	13.30	11.19	13.36	11.24	13.42	11.30	13.48	11.36	13.54	11.42
Voltage at Maximum Power(Vmp/V)		41.86	38.03	42.06	38.20	42.26	38.36	42.46	38.52	42.66	38.68	42.86	38.84	43.06	39.00
Current at Maximum Power(Imp/A)		12.68	10.50	12.73	10.55	12.80	10.60	12.85	10.66	12.91	10.71	12.95	10.76	13.02	10.81
Module Efficiency(%)		20.51		20.70		20.89		21.09		21.28		21.48		21.67	

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAINS								TEMPERATURE RATINGS	
5%	Maximum Power(Pmax/W)	557	562	567	572	578	588	Normal Operating Cell Temperature(NOCT)	41±3 °C
	Module Efficiency (%)	21.5%	21.7%	21.9%	22.1%	22.3%	22.5%	Temperature Coefficient of Isc	+0.05%/ °C
10%	Maximum Power(Pmax/W)	583	589	594	600	605	611	Temperature Coefficient of Voc	-0.26%/ °C
	Module Efficiency (%)	22.6%	22.8%	23.0%	23.2%	23.4%	23.6%	Temperature Coefficient of Pmax	-0.34%/ °C
20%	Maximum Power(Pmax/W)	636	642	648	654	660	672		
	Module Efficiency (%)	24.6%	24.8%	25.0%	25.3%	25.6%	26.0%		

I-V CURVE(AS30-560M10-144)



E-mail: info@amo-solar.com Website: www.amosolarpv.com
Address: Flat/RM 803 Chevalier House 45-51 Chatham Road South Tsim Sha Tsui, KL, HK
Sales Center: Huijin International Building Xinjiekou Block, Nanjing, China
Sales Center: No.210, Qianshan Road, Shushan District, Hefei, Anhui, China