

645~675W

AS645-675G12-132

MORE POWER

UP TO 21.73% Maximize the light absorption area, module efficiency up to 21.73%.

Low temperature coefficient (Pmax): -0.34 % /°C.

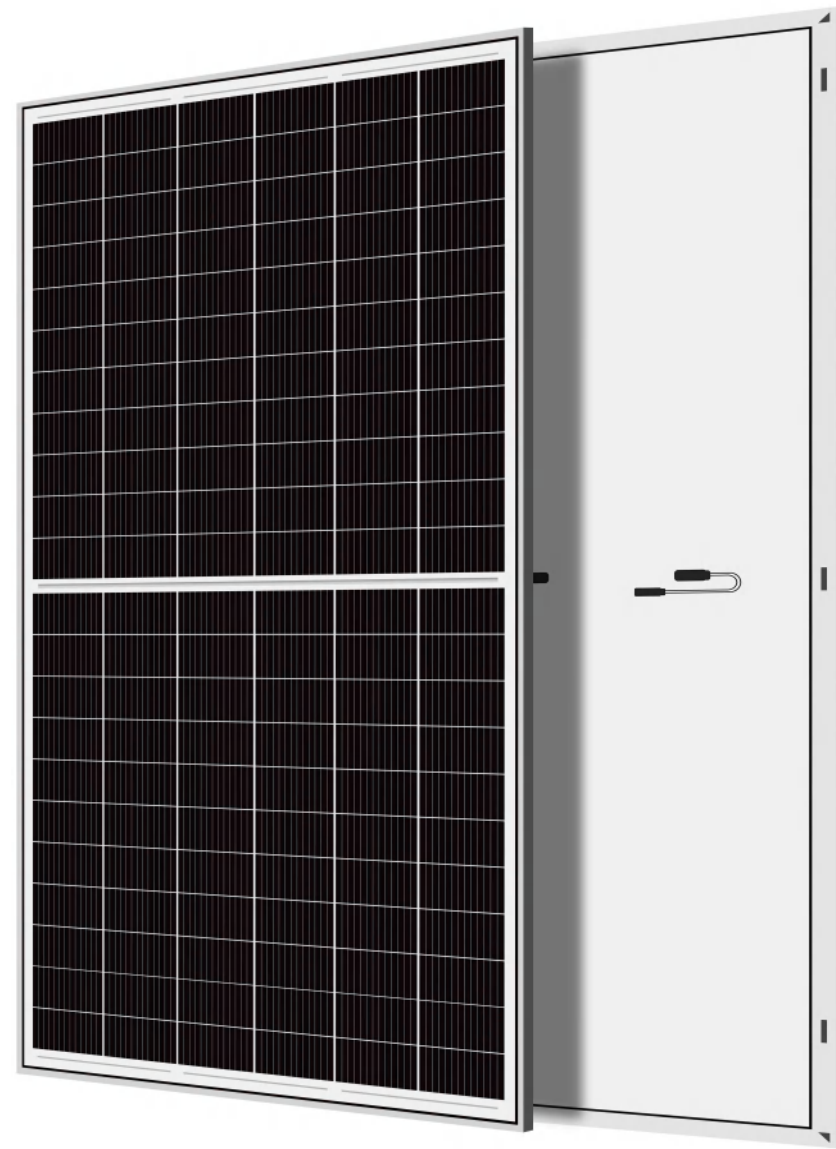
Better shading tolerance.

MORE RELIABLE

Lower internal current, lower hot spot temperature.

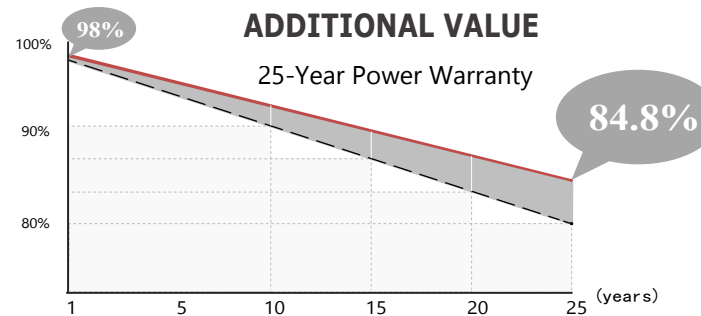
Cell crack risk limited in small region, enhance the module reliability.

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



12 12-year Product Warranty

25 25-year Linear Performance Warranty



645-675W

Monofacial Half-Cell PV Module

Weight

33kgs±3%

Cells Type

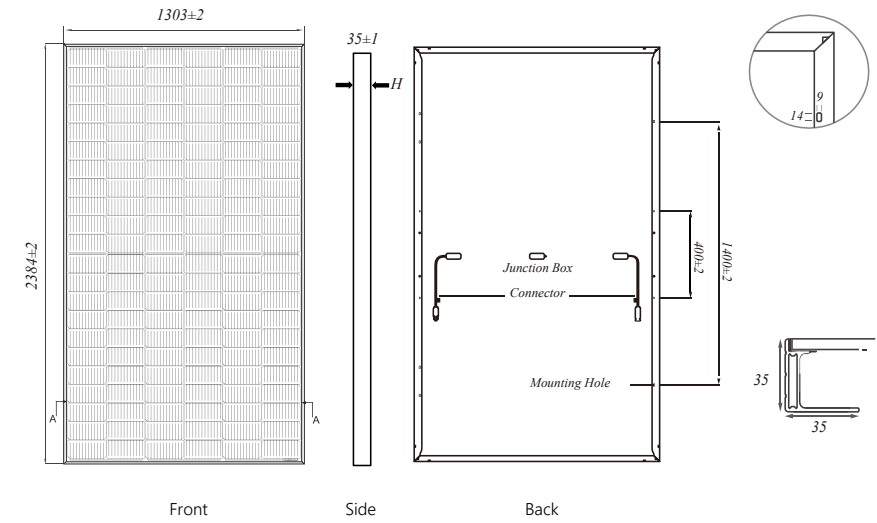
Mono 210x105mm

Dimension (LxWxT)

2384±2mmx1303±2mmx35±1mm

Packaging

31pcs/pallet, 558pcs/40HQ container



Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cell	Mono
No.of cells	132(6x22)
Cable Length	300mm(+)/300mm(-)
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68Rated,3diodes
Connector	MC4 Compatible

OPERATING PARAMETERS

Maximum System Voltage	1500VDC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	30A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
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	AS645G12-132		AS650G12-132		AS655G12-132		AS660G12-132		AS665G12-132		AS670G12-132		AS675G12-132	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	645	483.9	650	487.7	655	491.4	660	495.2	665	498.9	670	502.7	675	506.4
Open Circuit Voltage(Voc/V)	45.72	42.20	45.84	42.40	45.96	42.60	46.08	42.80	46.20	43.00	46.32	43.20	46.44	43.40
Short Circuit Current(Isc/A)	18.14	14.79	18.18	14.83	18.22	14.86	18.26	14.90	18.30	14.93	18.34	14.96	18.38	14.99
Voltage at Maximum Power(Vmp/V)	37.80	35.30	38.00	35.50	38.20	35.70	38.40	35.90	38.60	36.10	38.80	36.30	39.00	36.50
Current at Maximum Power(Imp/A)	17.07	13.70	17.11	13.73	17.15	13.76	17.19	13.80	17.23	13.83	17.27	13.85	17.31	13.88
Module Efficiency(%)	20.76		20.92		21.09		21.25		21.41		21.57		21.73	

TEMPERATURE RATINGS

Normal Operating Cell Temperature(NOCT)	43±2 C
Temperature Coefficient of Isc	+0.040%/ C
Temperature Coefficient of Voc	-0.250%/ C
Temperature Coefficient of Pmax	-0.340%/ C

I-V CURVE(AS645-675G12-132)

