



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.

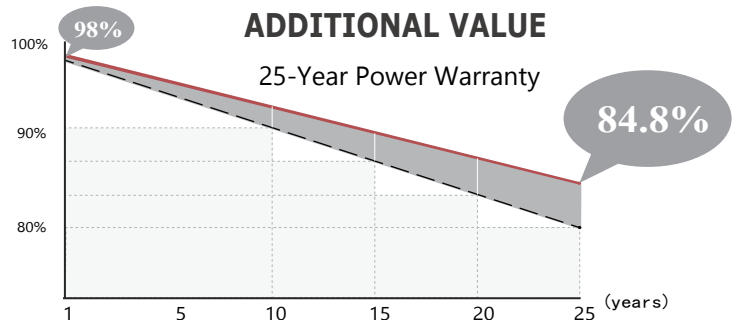
 Cell crack risk limited in small region, enhance the module reliability.

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



12 12-year Product Warranty

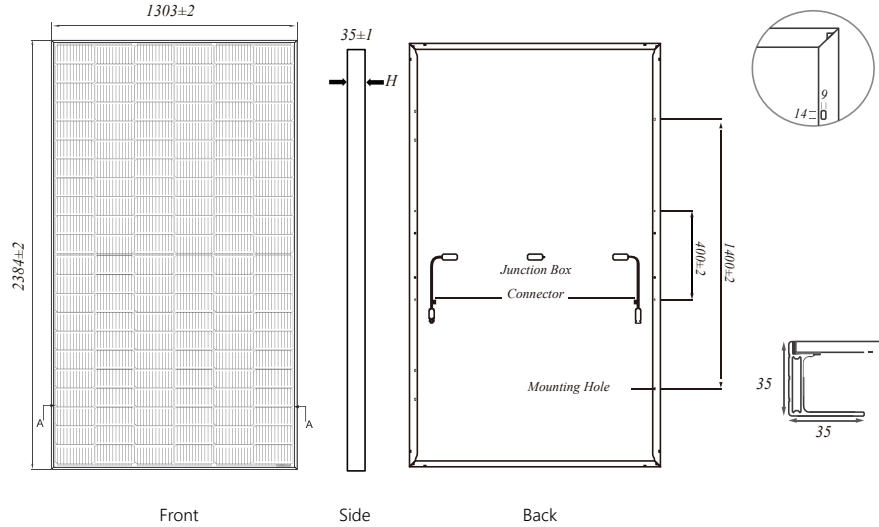
25 25-year Linear Performance Warranty



AS645-675G12-132

645-675W

Half-Cell High Efficiency PV Module

Weight
35.7kgs±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℃ ~+85℃
Maximum Series Fuse	30A
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℃ NOCT :AM1.5 800W/ m² 20℃ 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)	45.00	42.20	45.20	42.40	45.40	42.60	45.60	42.80	45.80	43.00	46.00	43.20	46.20	43.40
Short Circuit Current(Isc/A)	18.31	14.79	18.35	14.83	18.39	14.86	18.44	14.90	18.48	14.93	18.51	14.96	18.55	14.99
Voltage at Maximum Power(Vmp/V)	37.30	35.30	37.50	35.50	37.70	35.70	37.90	35.90	38.10	36.10	38.30	36.30	38.50	36.50
Current at Maximum Power(Imp/A)	17.29	13.70	17.33	13.73	17.37	13.76	17.41	13.80	17.45	13.83	17.49	13.85	17.53	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℃
Temperature Coefficient of Isc	+0.040%/℃
Temperature Coefficient of Voc	-0.250%/℃
Temperature Coefficient of Pmax	-0.340%/℃

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