

580~615W

AS580-615G12-120

MORE POWER

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

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

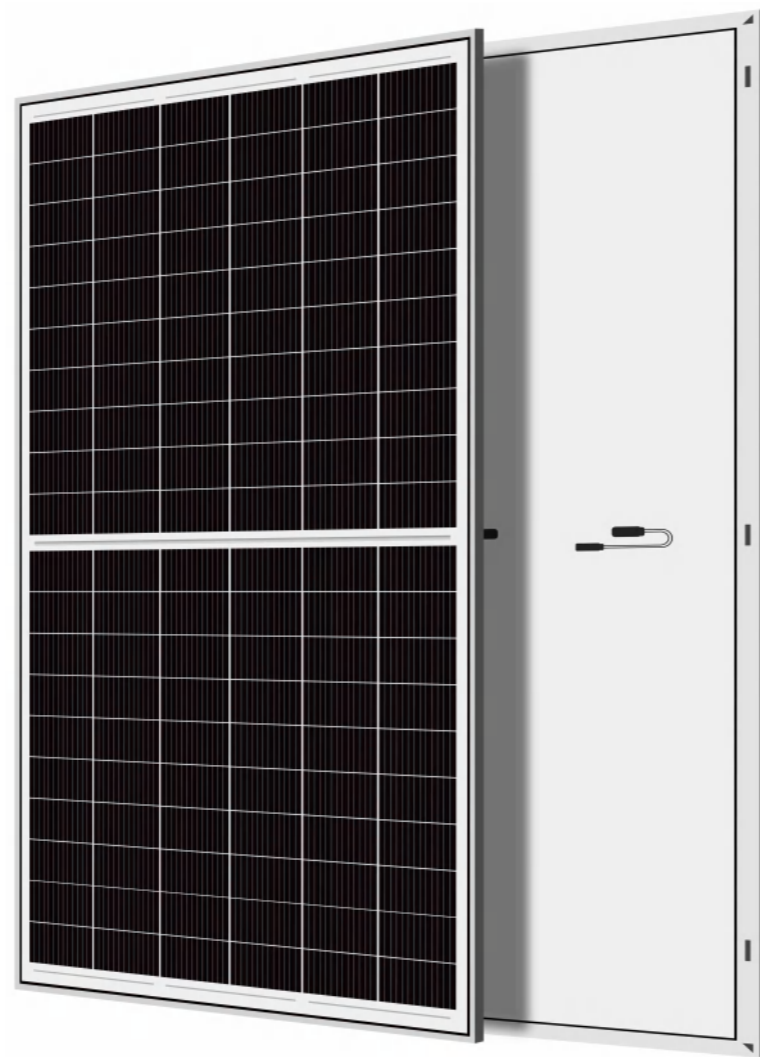
Better shading tolerance.

MORE RELIABLE

Lower internal current, lower hot spot temperature.

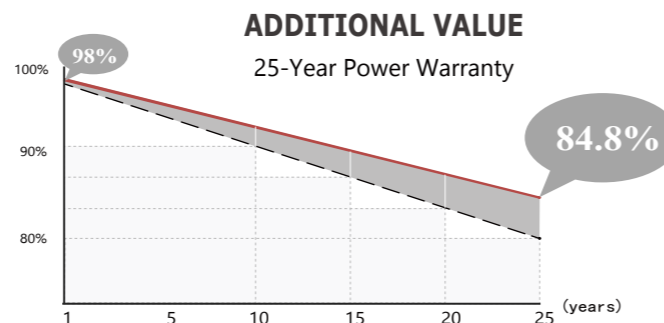
Cell crack risk limited in small region, enhance the module reliability.

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



12 12-year Product Warranty

25 25-year Linear Performance Warranty



580-615W

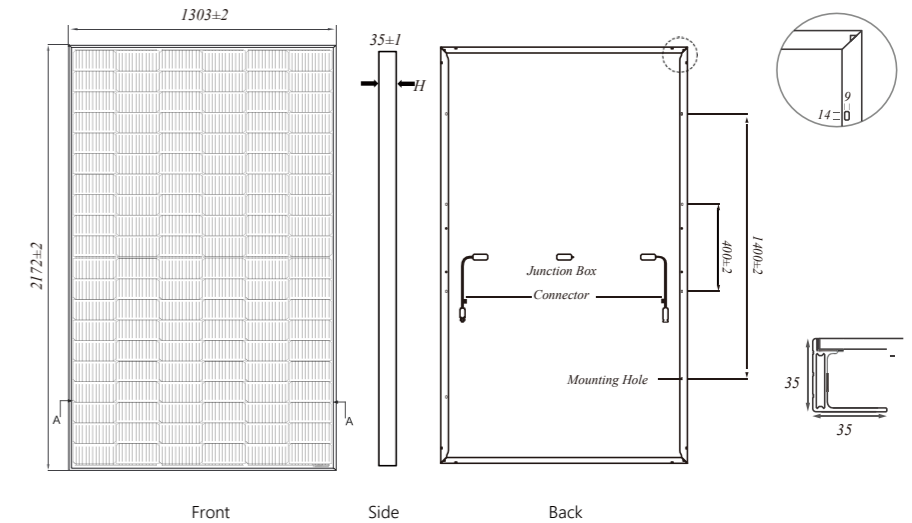
Monofacial Half-Cell PV Module

Weight
30.9kgs±3%

Cells Type
Mono 210x105mm

Dimension (LxWxT)
2172±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	120(6x20)
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	AS580G12-120		AS585G12-120		AS590G12-120		AS595G12-120		AS600G12-120		AS605G12-120		AS610G12-120		AS615G12-120	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	580	435.2	585	438.9	590	442.7	595	446.4	600	450.2	605	453.9	610	457.7	615	457.7
Open Circuit Voltage(Voc/V)	41.44	38.00	41.56	38.20	41.68	38.40	41.80	38.60	41.92	38.80	42.04	38.90	42.16	39.10	42.28	39.10
Short Circuit Current(Isc/A)	17.93	14.76	17.99	14.80	18.05	14.84	18.11	14.88	18.17	14.92	18.23	14.96	18.29	15.30	18.35	15.30
Voltage at Maximum Power(Vmp/V)	34.00	31.80	34.20	32.00	34.40	32.20	34.60	32.40	34.80	32.60	35.00	32.80	35.20	32.90	35.40	32.90
Current at Maximum Power(Imp/A)	17.09	13.67	17.13	13.71	17.17	13.74	17.21	13.78	17.25	13.82	17.29	13.86	17.33	13.89	17.38	13.89
Module Efficiency(%)	20.49		20.67		20.85		21.02		21.20		21.38		21.55		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(AS580-615G12-120)

