



535~555M

AS535-555G12-110

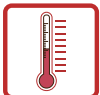
MORE POWER


UP TO 21.20% Maximize the light absorption area, module efficiency up to 21.20 %.

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

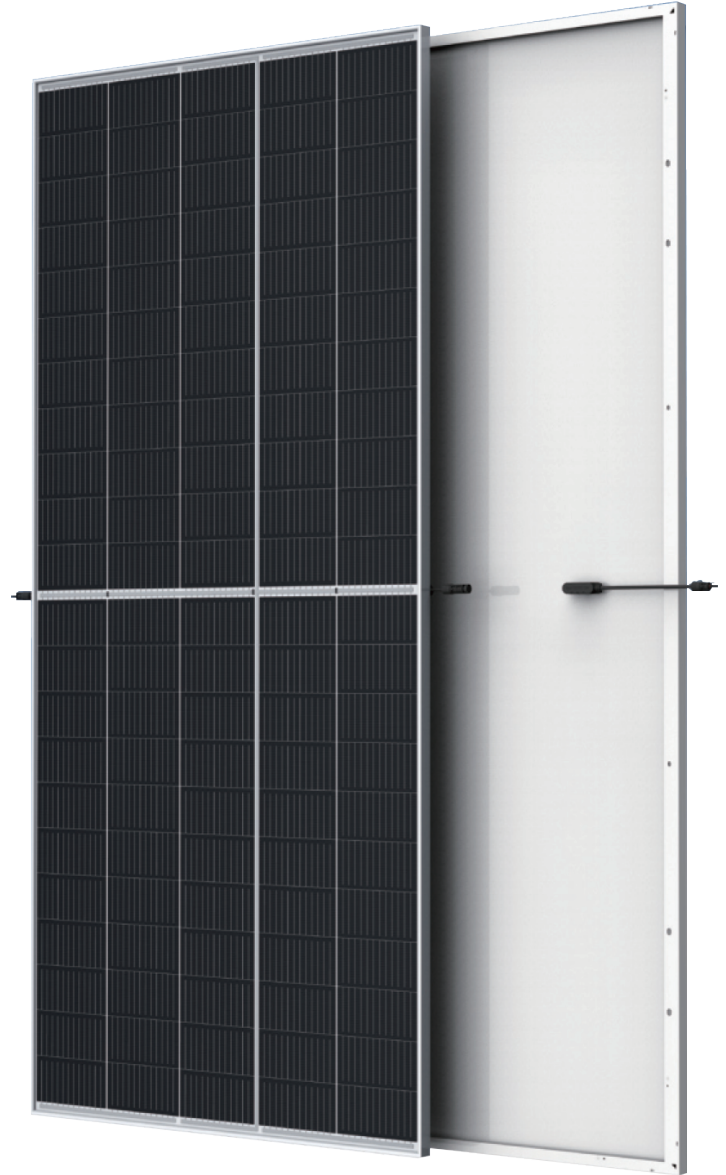
 Better shading tolerance.

MORE RELIABLE

 Lower internal current, lower hot spot temperature.

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

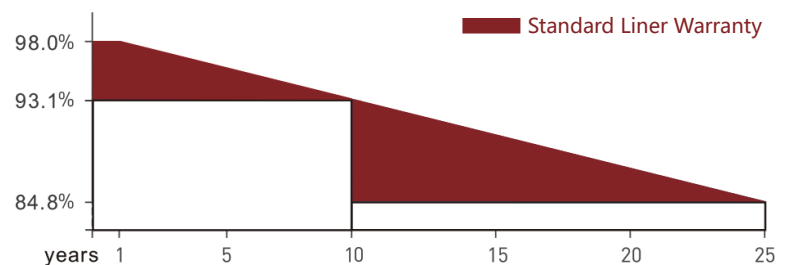
******* Heavy snow load up to 5400 Pa, wind load up to 2400 Pa.



12 12-year Product Warranty

25 25-year Linear Performance Warranty

Linear Performance Warranty



CE IEC



PICC

AS535-555G12-110

535-555W

Half-Cell High Efficiency PV Module

Weight

28.6kgs±3%

Cells Type

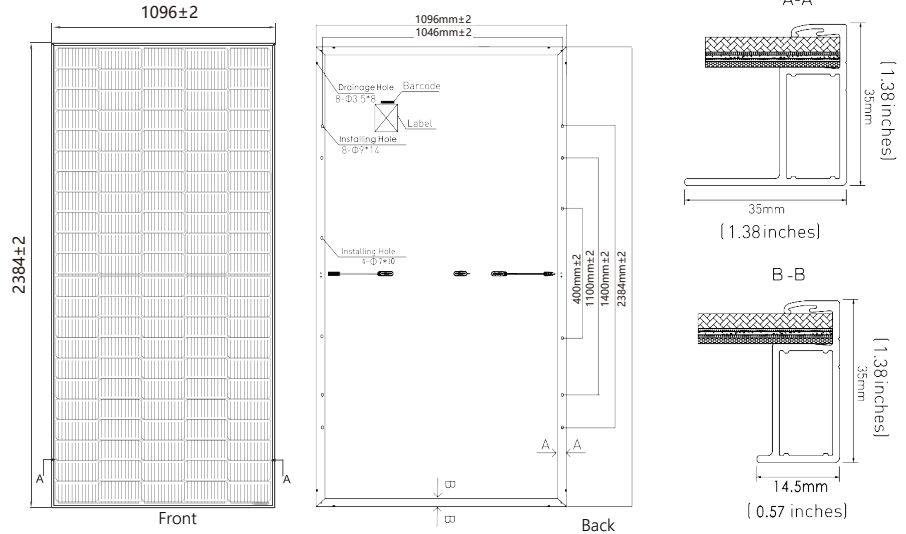
Mono 210x105mm

Dimension (LxWxT)

2384±2mmx1096±2mmx35±1mm

Packaging

31pcs/pallet, 620pcs/40HQ container



Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cell	Mono
No.of cells	110(22x5)
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	Class II

ELECTRICAL CHARACTERISTICS

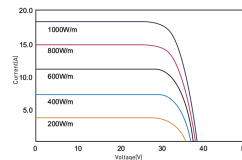
STC:AM1.5 1000W/ m² 25 C NOCT :AM1.5 800W/ m² 20 C 1m/s Test uncertainty for Pmax ±3%

Module Type	AS535G12-120		AS540G12-120		AS545G12-120		AS550G12-120		AS555G12-120	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	535	405	540	409	545	413	550	417	555	420
Open Circuit Voltage(Voc/V)	37.3	35.1	37.5	35.3	37.7	35.5	37.9	35.7	38.1	35.9
Short Circuit Current(Isc/A)	18.36	14.80	18.41	14.84	18.47	14.88	18.52	14.92	18.56	14.96
Voltage at Maximum Power(Vmp/V)	31.0	28.8	31.2	29.0	31.4	29.2	31.6	29.4	31.8	29.5
Current at Maximum Power(Imp/A)	17.28	14.06	17.33	14.10	17.37	14.15	17.40	14.19	17.45	14.23
Module Efficiency(%)	20.50%		20.70%		20.90%		21.00%		21.20%	

TEMPERATURE RATINGS

Norminal 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 at Different Temperature (545W)



P-V Curve at Different Irradiation (545W)

