

# 535~560W

AS535-560G12-110

## MORE POWER

**UP TO 21.43%** Maximize the light absorption area, module efficiency up to 21.43 %.

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

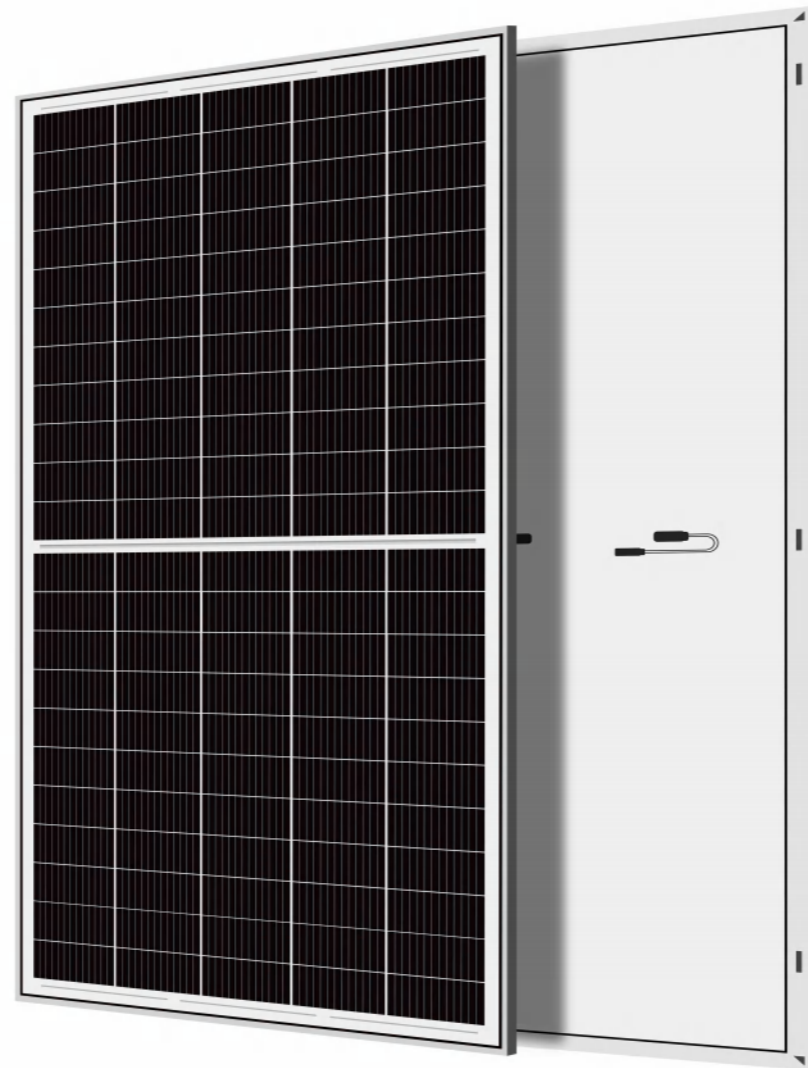
**Better shading tolerance.**

## MORE RELIABLE

**Lower internal current, lower hot spot temperature.**

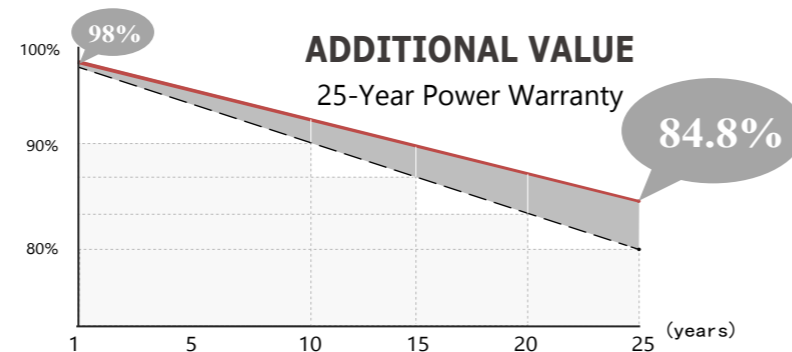
**Cell crack risk limited in small region, enhance the module reliability.**

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



**12** 12-year Product Warranty

**25** 25-year Linear Performance Warranty



# 535-560W

Monofacial Half-Cell PV Module

### Weight

**28.6kgs±3%**

### Cells Type

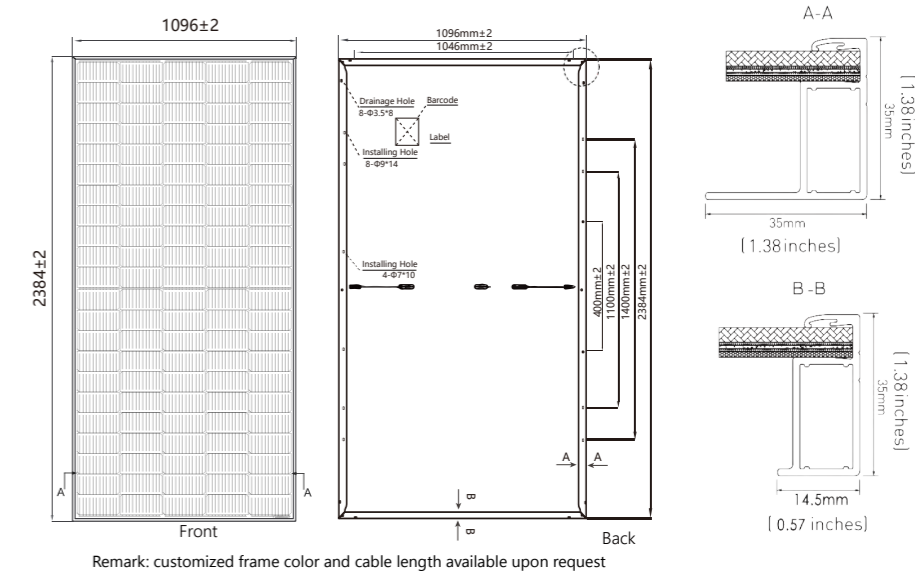
**Mono 210x105mm**

### 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 <sup>2</sup> (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 <sup>2</sup> )
Maximum StaticLoad,Back	2400Pa(50lb/ft <sup>2</sup> )
Safety Class	ClassII

### ELECTRICAL CHARACTERISTICS

STC:AM1.5 1000W/m<sup>2</sup> 25°C NOCT:AM1.5 800W/m<sup>2</sup> 20°C 1m/s Test uncertainty for Pmax ±3%

Module Type	AS535G12-110		AS540G12-110		AS545G12-110		AS550G12-110		AS555G12-110		AS560G12-110	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	535	405	540	409	545	413	550	417	555	420	560	424
Open Circuit Voltage(Voc/V)	38.2	35.1	38.3	35.3	38.4	35.5	38.5	35.7	38.6	35.9	38.7	36.1
Short Circuit Current(Isc/A)	18.10	14.80	18.15	14.84	18.20	14.88	18.25	14.92	18.30	14.96	18.35	15.0
Voltage at Maximum Power(Vmp/V)	31.2	28.8	31.4	29.0	31.6	29.2	31.8	29.4	32.0	29.5	32.2	29.7
Current at Maximum Power(Imp/A)	17.15	14.06	17.20	14.10	17.25	14.15	17.30	14.19	17.35	14.23	17.40	14.27
Module Efficiency(%)	20.48		20.67		20.86		21.05		21.24		21.43	

### 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(AS535-560G12-110)

