

400~420W

AS400-420M10-108

SHINGLED MONOFACIAL MODULE

MORE POWER



Shingling Technology

Innovative structure, low-temperature adhesive bonding, high-density layout.



Low System Cost

High module efficiency, reducing system cost.



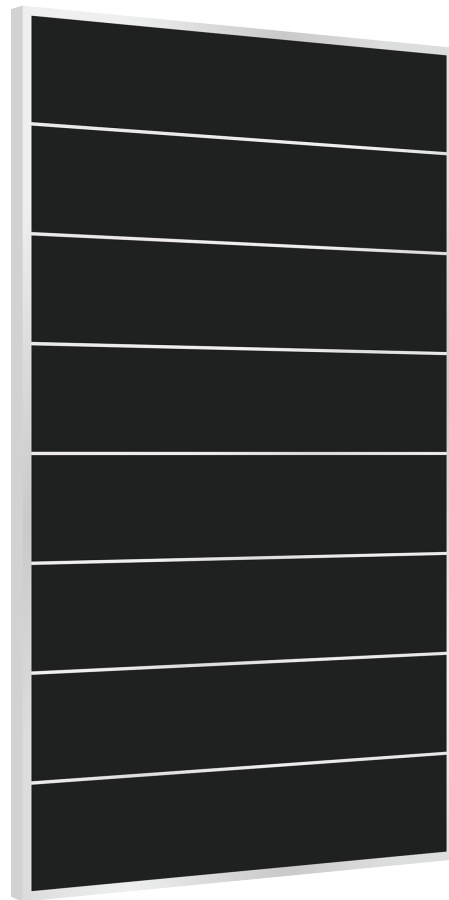
Low Hot Spot Risk

Parallel circuit design reduces shading loss.



Low Shading Loss

Full parallel arrangement brings high effective power generation hours.



MORE RELIABLE



Beautiful Appearance

Uniform layout, better aesthetic.



Superior Safety and Reliability

No hidden welding crack, low operating temperature, high pressure resistance.

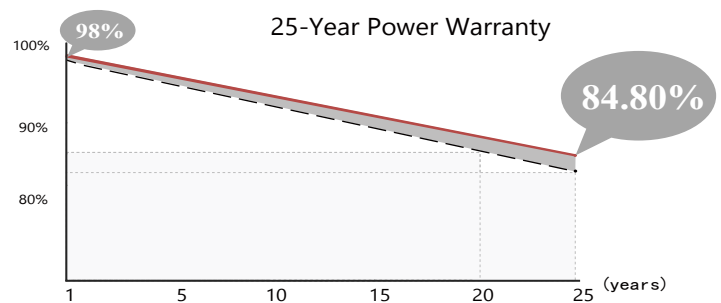


Eco-friendly

Adhering to green philosophy, no fluorine and low lead.

ADDITIONAL VALUE

25-Year Power Warranty



25-year Warranty for Materials and Processing



25-year Warranty for Extra Linear Power Output

QUALITY MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION

IEC61215/61730, IEC62804(PID), IEC61701(Salt), IEC62716 (Ammonia), IEC60068-2-68(Sand)

ISO 9001:2015/ quality management system

ISO 14001:2015/ environmental management system

ISO 45001:2018/ occupation health safety management system



AS400-420M10-108

400-420W

Half-Cell High Efficiency PV Module

Weight

20.90kgs±3%

Cells Type

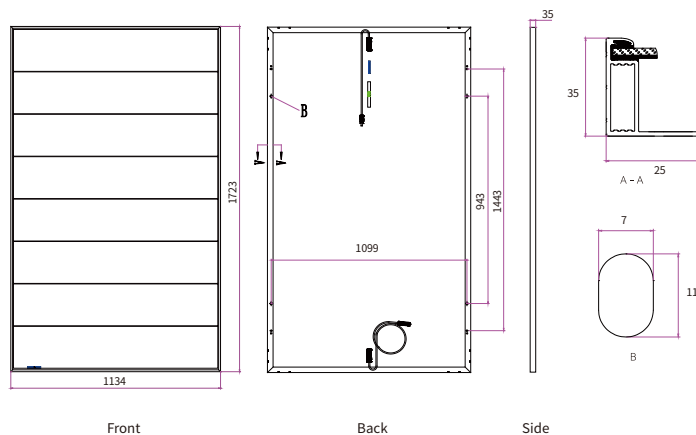
Mono 210*35mm

Dimension(LxWxT)

1723±2mmx1134±2mmx35±1mm

Packaging

31pcs/pallet, 806pcs/40HQ container



Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cell	Mono silicon
No.of cells	210(8x32)
Cable Length	700mm or Customized Length
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68 rated
Connector	MC4 Compatible

OPERATING PARAMETERS

Maximum System Voltage	1500VDC
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	25A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Performance of resist the hail	Max. Diameter: 25mm, Speed: 23m/s

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	AS400M10-108		AS405M10-108		AS410M10-108		AS415M10-108		AS420M10-108	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	400	300	405	304	410	307	415	311	420	315
Open Circuit Voltage(Voc/V)	43.50	41.03	43.58	41.13	43.61	41.23	43.66	41.33	43.68	41.44
Short Circuit Current(Isc/A)	11.33	9.24	11.43	9.33	11.44	9.40	11.53	9.49	11.54	9.59
Voltage at Maximum Power(Vmp/V)	37.78	34.11	37.82	34.21	38.31	34.31	38.32	34.41	38.44	34.51
Current at Maximum Power(Imp/A)	10.59	8.80	10.72	8.89	10.71	8.95	10.83	9.04	10.93	9.13
Module Efficiency(%)	20.5		20.7		21.0		21.3		21.5	

TEMPERATURE RATINGS

Normal Operating Cell Temperature(NOCT)	47±2°C
Temperature Coefficiency of Isc	(+0.065±0.015)%/°C
Temperature Coefficiency of Voc	-(80±10)mV/°C
Temperature Coefficiency of Pmax	-(0.5±0.05)%/°C

I-V CURVE(AS400-420M10-108)

