

390-420W

AS390-420M10-108 FULL BLACK

MORE POWER

UP TO 21.51% Maximize the light absorption area, module efficiency up to 21.51 %.

Low temperature coefficient (Pmax): -0.35 % /°C.

Better shading tolerance.

MORE RELIABLE

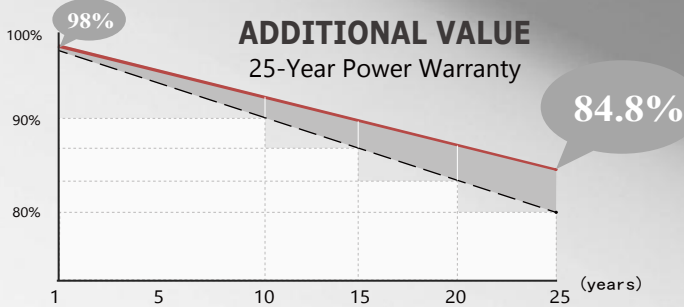
Lower internal current, lower hot spot temperature.

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

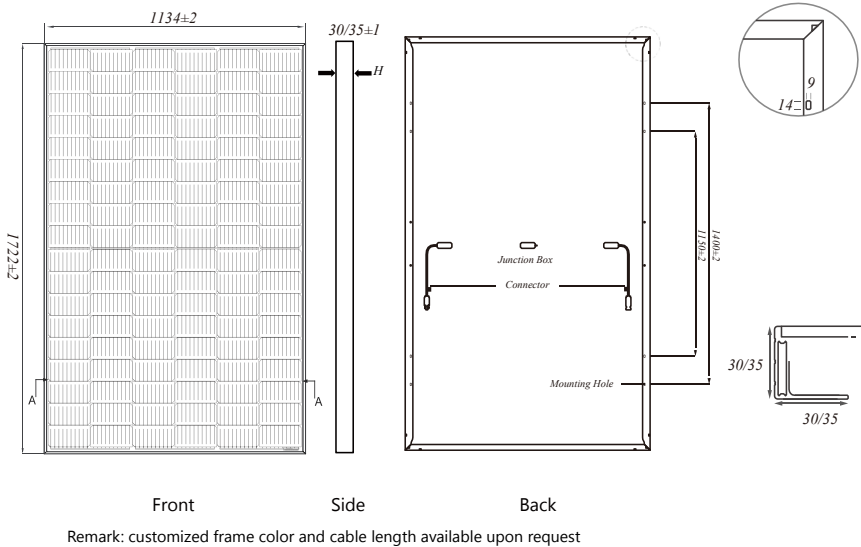
25 25-year Linear Performance Warranty



390-420W

Full Black Half-Cell PV Module

Weight 21.0kgs±3%
Cells Type Mono 182x91mm
Dimension(LxWxT) 1722±2mmx1134±2mmx30/35±1mm
Packaging 36pcs/pallet, 936pcs/40HQ container(30mm)
31pcs/pallet, 806pcs/40HQ container(35mm)



MECHANICAL SPECIFICATION				OPERATING PARAMETERS			
Cell	Mono			Maximum System Voltage	1500VDC		
No.of cells	108(6x18)			Operating Temperature	-40°C ~ +85°C		
Cable Length	300mm(+)/300mm(-)			Maximum Series Fuse	30A		
Cable Cross Section Size	4mm²(IEC)			Maximum StaticLoad,Front	5400Pa(112lb/ft²)		
Junction Box	IP68,3 diodes			Maximum StaticLoad,Back	2400Pa(50lb/ft²)		
Connector	MC4 Compatible			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		AS390M10-108	AS395M10-108	AS400M10-108	AS405M10-108	AS410M10-108	AS415M10-108	AS420M10-108							
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)		390	293.8	395	297.6	400	301.3	405	305.1	410	308.9	415	312.7	420	316.5
Open Circuit Voltage(Voc/V)		38.69	34.25	38.81	34.39	38.93	34.53	39.05	34.67	39.17	34.81	39.29	34.95	39.41	35.09
Short Circuit Current(Isc/A)		13.17	10.93	13.23	10.99	13.29	11.04	13.35	11.10	13.41	11.16	13.47	11.22	13.53	11.28
Voltage at Maximum Power(Vmp/V)		30.65	28.36	30.85	28.57	31.05	28.79	31.25	29.00	31.45	29.21	31.65	29.41	31.85	29.62
Current at Maximum Power(Impp/A)		12.74	10.36	12.83	10.41	12.90	10.47	12.97	10.52	13.04	10.57	13.12	10.62	13.19	10.67
Module Efficiency(%)		19.97	20.23			20.48		20.74		21.00		21.25		21.51	

TEMPERATURE RATINGS		I-V CURVE(AS390-420M10-108)		
Norminal Operating Cell Temperature(NOCT)	45±2 °C			
Temperature Coefficient of Isc	+0.045%/°C			
Temperature Coefficient of Voc	-0.275%/°C			
Temperature Coefficient of Pmax	-0.350%/°C			