

365~390M

STM-365-390/120-S2

Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production. (Potential Induced Degradation) under the test conditions.



High Efficiency

Higher module conversion efficiency (up to 21.38%) benefit from half cell structure (low resistance characteristic).



Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



Severe Weather Resilience

Certified to withstand: Wind load (2400 pascal) and snow load (5400 pascal).



12-year Warranty for
Materials and Processing



25-year Warranty for
Extra Linear Power Output



STM-365-390/120-S2

365-390W

Half-Cell High Efficiency PV Module

Weight

20.5kgs±3%

Cells Type

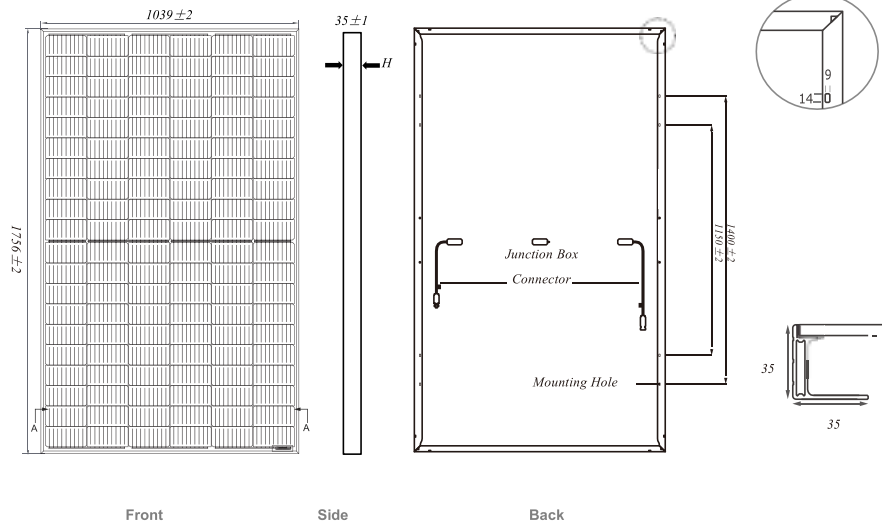
Mono 166×83mm

Dimension (L×W×T)

1756±2mm x1039±2mm x 35±1mm

Packaging

31pcs/pallet, 845pcs/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	IP67,3 diodes
Connector	MC4 Compatible

OPERATING PARAMETERS

Maximum System Voltage	1500V DC
Operating Temperature	-40℃ ~ +85℃
Maximum Series Fuse	20A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Safety Class	Class II

ELECTRICAL CHARACTERISTICS

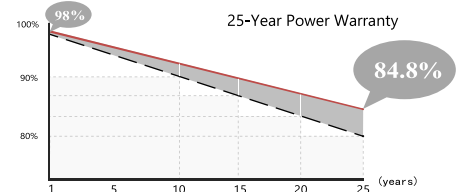
STC:AM1.5 1000W/m² 25°C NOCT:AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax ±3%

Module Type	STM-365/120-S2		STM-370/120-S2		STM-375/120-S2		STM-380/120-S2		STM-385/120-S2		STM-390/120-S2	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	365	276	370	280	375	284	380	287	385	291	390	295
Open Circuit Voltage (Voc/V)	41.13	38.41	41.30	38.65	41.45	38.89	41.62	39.14	41.78	39.37	41.94	39.63
Short Circuit Current (Isc/A)	11.30	9.15	11.35	9.20	11.41	9.25	11.47	9.30	11.53	9.35	11.58	9.40
Voltage at Maximum Power (Vmp/V)	33.96	32.05	34.23	32.30	34.50	32.55	34.77	32.72	35.04	32.96	35.33	33.20
Current at Maximum Power (Imp/A)	10.75	8.61	10.81	8.66	10.87	8.71	10.93	8.78	10.99	8.83	11.04	8.88
Module Efficiency(%)	20.00		20.28		20.55		20.83		21.10		21.38	

TEMPERATURE RATINGS

Norminal Operating Cell Temperature(NOCT)	45±2 C
Temperature Coefficient of Isc	+0.044%/ °C
Temperature Coefficient of Voc	-0.272%/ °C
Temperature Coefficient of Pmax	-0.350%/ °C

ADDITIONAL VALUE



I-V CURVE(STM-365-390/120-S2)

