

# 370~395M

STM-370-395/120-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 21.65%) 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-370-395/120-S2

370-395W

Half-Cell High Efficiency PV Module

Weight

20.5kgs±3%

Cells Type

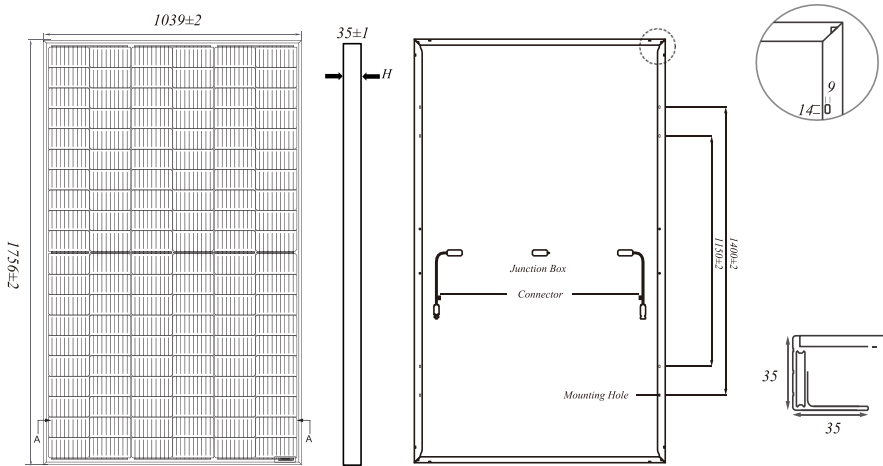
Mono 166x83mm

Dimension(LxWxT)

1756±2mmx1039±2mmx35±1mm

Packaging

31pcs/pallet, 858pcs/40HQ container



Front

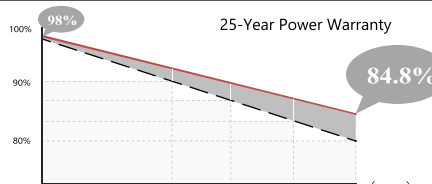
Side

Back

Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION				OPERATING PARAMETERS			
Cell	Mono			Maximum System Voltage	1500VDC		
No.of cells	120(6x20)			Operating Temperature	-40°C~+85°C		
Cable Length	300mm(+)/300mm(-)			Maximum Series Fuse	20A		
Cable Cross Section Size	4mm²(IEC)			Maximum StaticLoad,Front	5400Pa(112lb/ft²)		
Junction Box	IP67,3 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	STM-370/120-S2		STM-375/120-S2		STM-380/120-S2		STM-385/120-S2		STM-390/120-S2		STM-395/120-S2		
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Maximum Power(Pmax/W)	370	280	375	284	380	287	385	291	390	295	395	298.5	
Open Circuit Voltage(Voc/V)	41.30	38.65	41.45	38.89	41.62	39.14	41.78	39.37	41.94	39.63	42.10	39.87	
Short Circuit Current(Isc/A)	11.35	9.20	11.41	9.25	11.47	9.30	11.53	9.35	11.58	9.40	11.63	9.45	
Voltage at Maximum Power(Vmp/V)	34.23	32.30	34.50	32.55	34.77	32.72	35.04	32.96	35.33	33.20	35.62	33.44	
Current at Maximum Power(Imp/A)	10.81	8.66	10.87	8.71	10.93	8.78	10.99	8.83	11.04	8.88	11.09	8.93	
Module Efficiency(%)	20.28		20.55		20.83		21.10		21.38		21.65		

TEMPERATURE RATINGS		ADDITIONAL VALUE	
Normal 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		

I-V CURVE(STM-370-395/120-S2)

