

180 ~ 195M

STM6-180-195/36

Durability against extreme environmental

High salt mist and ammonia resistance certified by TUV NORD.



Easy Installation and Handling

The conventional frame design is suitable for various bracket installation methods, which is easy to hold, transport and install.



Low-light Performance

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



High Efficiency

High module efficiency to guarantee power output.



0 ~ +5W positive tolerance

Detailed information in Electrical Specifications.



Excellent loading capability

2400Pa wind loads, 5400Pa snow loads.



8-year Warranty for Materials and Processing



20-year Warranty for Extra Linear Power Output



STM6-180-195/36

180-195W

Full-Cell High Efficiency PV Module

Weight

12kgs±3%

Cells Type

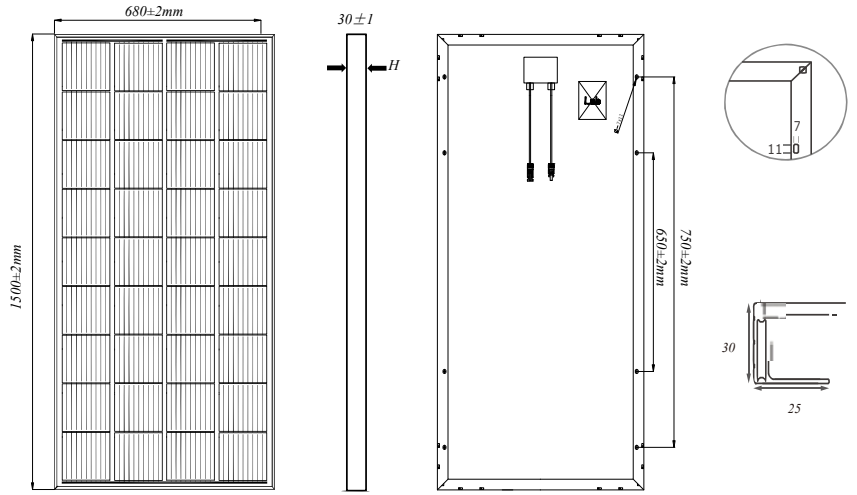
158.75x158.75

Dimension (L×W×T)

1500±2mm x680±2mm x 30±1mm

Packaging

35pcs/pallet, 1575pcs/40HQ container



Front Side Back
Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cells Type	Mono
No.of Cells	36(4x9)
Cable Length	900mm
Cable Cross Section Size	4.0mm ²
Junction Box	IP67, 2diodes
Connector	MC4 Compatible

OPERATING PARAMETERS

Operating Temperature	-40℃~+85℃
Maximum System Voltage	1000VDC
Maximum Series Fuse	12A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Nominal Operating Cell Temperature (NOCT)	45±2℃

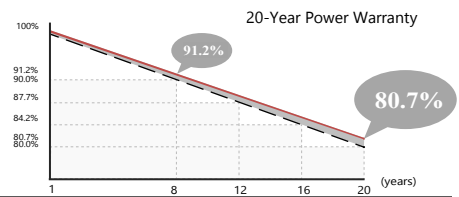
ELECTRICAL CHARACTERISTICS STC:AM1.5 1000W/m² 25℃ NOCT:AM1.5 800W/m² 20℃ 1m/s Test uncertainty for Pmax ±3%

Module Type	STM6-180/36		STM6-185/36		STM6-190/36		STM6-195/36	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	180	133.9	185	137.6	190	141.3	195	145.0
Open Circuit Voltage (Voc/V)	22.14	20.65	22.39	20.88	22.63	21.11	22.88	21.34
Short Circuit Current (Isc/A)	10.70	8.65	10.88	8.79	11.05	8.93	11.22	9.07
Voltage at Maximum Power (Vmp/V)	18.00	16.33	18.20	16.51	18.40	16.69	18.60	16.88
Current at Maximum Power (Imp/A)	10.00	8.20	10.16	8.33	10.33	8.47	10.48	8.59
Module Efficiency(%)	17.65		18.14		18.63		19.12	

TEMPERATURE RATINGS

Temperature Coefficient of Isc	+0.052%/℃
Temperature Coefficient of Voc	-0.29%/℃
Temperature Coefficient of Pmax	-0.38%/℃

ADDITIONAL VALUE



I-V CURVE(STM6-180-195/36)

