SUNTECH

Ultra V

HALF-CELL MONOFACIAL MODULE

TYPE: STPXXXS - C72/Vmh

POWER OUTPUT	MAX EFFICIENCY
550-570W	22.1%

Features

High module conversion efficiency
Module efficiency up to **22.1%** achieved through advanced cell technology and manufacturing process

Lower operating temperature
Lower operating temperature and temperature coefficient increases the power output

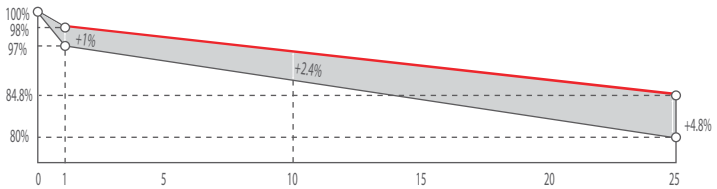
Suntech current sorting process
Up to **2 %** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

Extended wind and snow load tests
Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *

Excellent weak light performance
More power output in weak light condition, such as cloudy, morning and sunset

Withstanding harsh environment
Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

Industry-leading Warranty **



- First year power degradation: 2%
- Annual degradation: 0.55%
- Product warranty: 12 years
- linear warranty: 25 years

Certifications and Standards

CE	IEC 61730	IEC 61215
SA 8000	Social Responsibility Standards	
ISO 9001	Quality Management System	
ISO 14001	Environment Management System	
ISO 45001	Occupational Henlth and Safety	

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Munich RE ****

* Please refer to Suntech Standard Module Installation Manual for details.
** Please refer to Suntech Limited Warranty for details.

**** Suntech reserves the right to the final interpretation of the warranty by Munich Re.

*** WEEE only for EU market.
made in China

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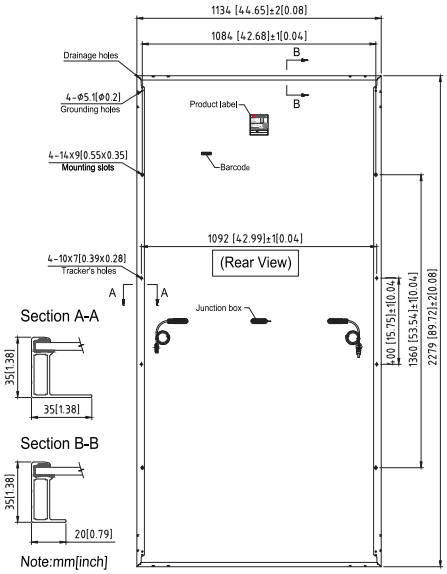
Ultra V STPXXXS - C72/Vmh 550-570W

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182 mm
No. of Cells	144 (6 × 24)
Dimensions	2279 × 1134 × 35 mm (89.7 × 44.6 × 1.4 inches)
Weight	27.5 kgs (60.6 lbs.)
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm², (-) 350 mm (+) 160 mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC (IEC)
Connectors	Genuine MC4 EVO2, Suntech STP-XC4
Fire Class Rating	C in accordance with UL 790
Maximum Series Fuse Rating	25 A
Power Tolerance	0/+5 W

For tracker installation, please turn to Suntech for mechanical load information.



Electrical Characteristics

Module Type	STP570S-C72/Vmh		STP565S-C72/Vmh		STP560S-C72/Vmh		STP555S-C72/Vmh		STP550S-C72/Vmh	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	570	430.8	565	427.3	560	423.7	555	418.7	550	415.0
Optimum Operating Voltage (Vmp/V)	42.72	39.4	42.56	39.2	42.4	39.2	42.24	39.1	42.05	38.9
Optimum Operating Current (Imp/A)	13.34	10.94	13.28	10.90	13.21	10.77	13.14	10.72	13.08	10.67
Open Circuit Voltage (Voc/V)	50.55	47.5	50.39	47.3	50.23	47.2	50.07	47.0	49.88	46.9
Short Circuit Current (Isc/A)	14.26	11.50	14.20	11.46	14.14	11.33	14.07	11.27	14.01	11.22
Module Efficiency (%)	22.1		21.9		21.7		21.5		21.3	

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerances of Pmax , Voc and Isc are within +/- 3% .

Temperature Characteristics

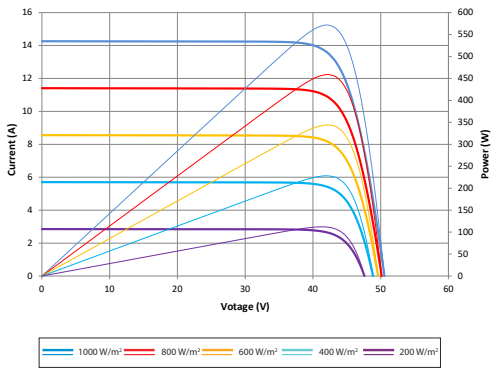
Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C

Packing Configuration

Container	40 ' HC
Pieces per pallet	31
Pallets per container	20
Pieces per container	620
Packaging box dimensions	2310×1130×1255 mm
Packaging box weight	902 kg

Graphs

Current-Voltage & Power-Voltage Curve (570S)



Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly . All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.