

Ultra V mini

HALF-CELL MONOFACIAL MODULE

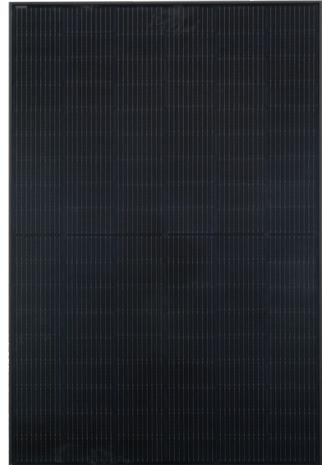
TYPE: STPXXXS - C54/Umhb

POWER OUTPUT

390-410W

MAX EFFICIENCY

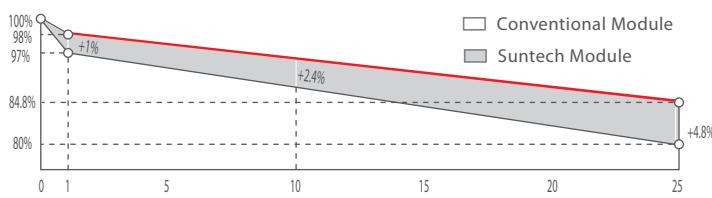
21.0%



Features

 High module conversion efficiency Module efficiency up to 21.0% 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 (3800 Pascal) and snow loads (6000 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 Health and Safety
 IEC TS 62941 Guideline for module design qualification and type approval



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

** Please refer to Suntech Limited Warranty for details.

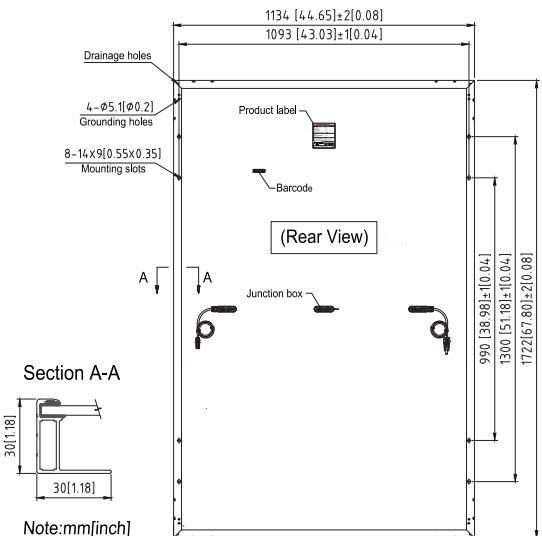
*** WEEE only for EU market.
**** Suntech reserves the right to the final interpretation of the warranty by Munich Re.



STPXXXS - C54/Umh_b 390-410W

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182 mm
No. of Cells	108 (6 × 18)
Dimensions	1722 × 1134 × 30 mm (67.8 × 44.6 × 1.2 inches)
Weight	21.0 kgs (46.3 lbs.)
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm ² , (-) 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)
Maximum Series Fuse Rating	25 A
Power Tolerance	0/+5 W



Electrical Characteristics

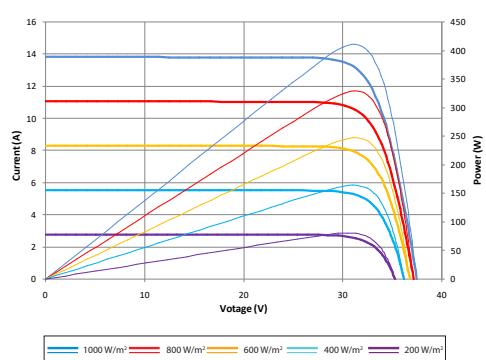
Module Type	STP410S-C54/Umh _b	STP405S-C54/Umh _b	STP400S-C54/Umh _b	STP395S-C54/Umh _b	STP390S-C54/Umh _b	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	410	309.6	405	306.0	400	302.3
Optimum Operating Voltage (Vmp/V)	31.59	29.2	31.38	29.0	31.18	28.8
Optimum Operating Current (Imp/A)	12.98	10.62	12.91	10.56	12.83	10.50
Open Circuit Voltage (Voc/V)	37.45	35.2	37.24	35.0	37.04	34.8
Short Circuit Current (Isc/A)	13.88	11.16	13.81	11.10	13.73	11.04
Module Efficiency (%)	21.0		20.7		20.5	
					20.2	20.0

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; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

Graphs

Current-Voltage & Power-Voltage Curve (410S)



Packing Configuration

Container	40 'HC
Pieces per pallet	36
Pallets per container	26
Pieces per container	936
Packaging box dimensions	1755×1120×1255 mm
Packaging box weight	794 kg

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.