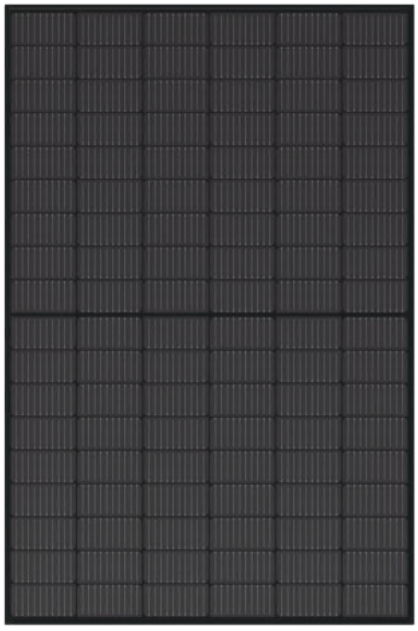
SUNTECH

Ultra V mini

HALF-CELL FULL-BLACK MONOFACIAL MODULE

TYPE: STPXXXS-C54/Umhb



395-415W
POWER OUTPUT

21.3%
MAX EFFICIENCY

Aesthetic appearance design

Elegant design in full-black appearance, harmonious integration in components of the buildings, to bring customers an immersive aesthetic experience

Lower operating temperature

Lower operating temperature and temperature coefficient increase the power output

Withstand harsh environments

Reliable quality that makes module resistant even to high temperatures, salt water and ammonia

Extended wind and snow load tests

Module certified to withstand extreme wind (**3800** Pascal) and snow loads (**6000** Pascal)*

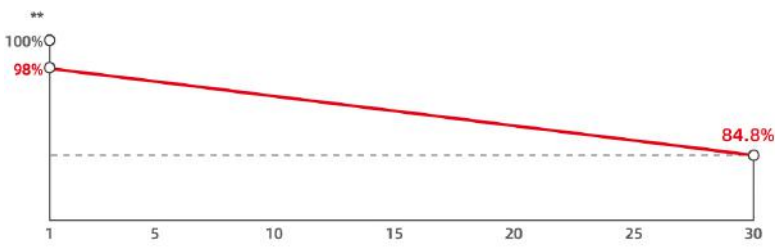
EUPD RESEARCH TOP BRAND PV MODULES 2024

TOP PERFORMER 2024 kiwa PV MODULE RELIABILITY SCORECARD

Tier 1 Bloomberg NEW ENERGY FINANCE

ISO 14001	Environment Management System	IEC 61701	Salt-mist Certification
ISO 45001	Occupational Health and Safety	IEC 62716	Ammonia Certification
ISO 9001	Quality Management System	IEC 60068-2-68	Dust and Sand
SA 8000	Social Responsibility Standards	IEC 61730-2 (UL790)	Fire Class C
IEC TS 62941	Guideline for Module Design		

CE DVE *** Munich RE



First year power degradation 2% Annual degradation 0.55%

25 years of linear warranty

12 years of product warranty

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

*** WEEE only for EU market.

** Please refer to Suntech Limited Warranty for details.

**** Suntech reserves the right to the final.

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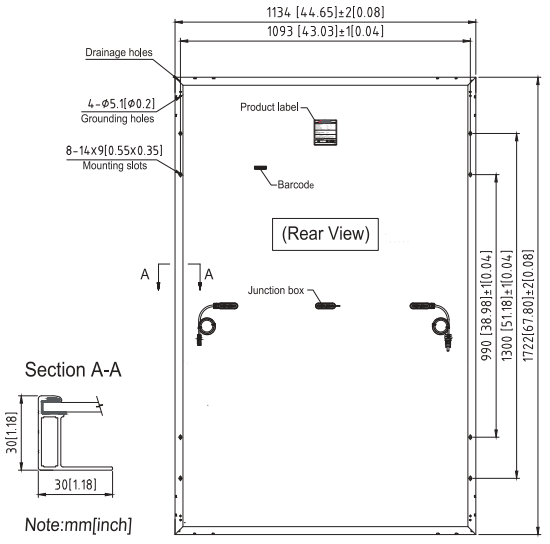
Ultra V STPXXXS-C54/Umhb 395-415W

Mechanical Characteristics

Solar Cell	P-type monocrystalline silicon
No. of Cells	108 (6 × 18)
Dimensions	1722 × 1134 × 30 mm (67.8 × 44.6 × 1.2 inches)
Weight	21.0 kg (46.3 lbs.)
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm², (-) 1400 mm (+) 1400 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	STP-XC4(Standard)/MC4-EVO2(Optional)
Maximum Series Fuse Rating	25 A
Power Tolerance	0/+5 W
Frame	Anodized aluminum alloy frame
Packing Configuration	36 pieces per pallet 936 pieces per container /40'HC 1755×1120×1255mm per pallet 794kg per pallet



Electrical Characteristics

Module Type	STP415S-C54/Umhb		STP410S-C54/Umhb		STP405S-C54/Umhb		STP400S-C54/Umhb		STP395S-C54/Umhb	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	415	315	410	311	405	308	400	304	395	300
Optimum Operating Voltage (Vmp/V)	31.81	29.40	31.59	29.20	31.38	29.00	31.18	28.80	30.98	28.70
Optimum Operating Current (Imp/A)	13.05	10.70	12.98	10.65	12.91	10.60	12.83	10.53	12.76	10.47
Open Circuit Voltage (Voc/V)	37.67	35.50	37.45	35.30	37.24	35.10	37.04	34.90	36.84	34.70
Short Circuit Current (Isc/A)	13.95	11.25	13.88	11.20	13.81	11.14	13.73	11.08	13.66	11.02
Module Efficiency (%)	21.3		21.0		20.7		20.5		20.2	

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; Measuring tolerance is within +/- 3%;

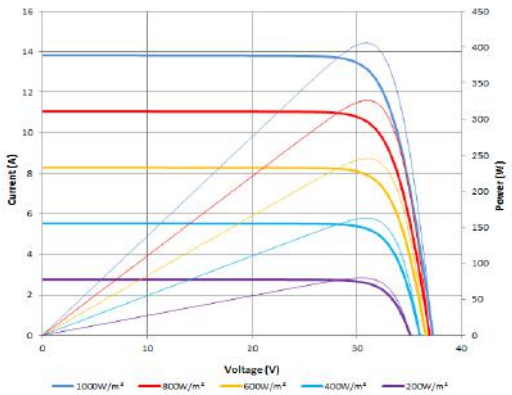
Temperature Characteristics

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

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.

Graphs

Current-Voltage & Power-Voltage Curve (405W)



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