SUNTECH

Ultra T 2.0

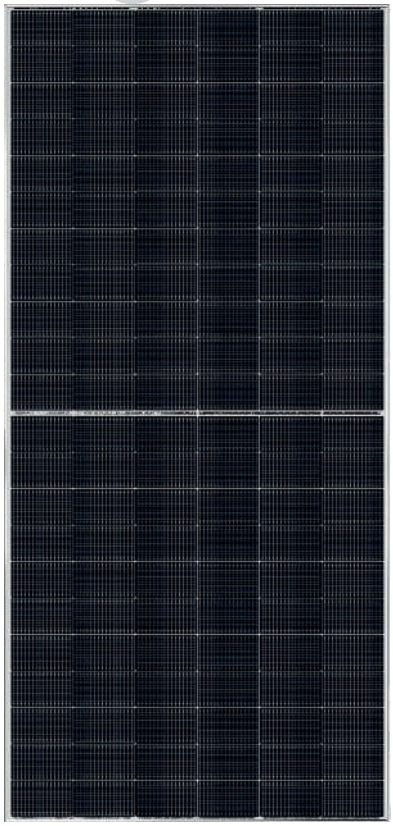
HALF-CELL N-TYPE TOPCon

SILVER FRAME BIFACIAL DOUBLE-GLASS MODULE

TYPE： STPXXXS-H66-Nsh+

615-635W
POWER OUTPUT

23.5%
MAX EFFICIENCY



High power output
Zero LID, ultra-low LeTID, better anti-PID performance, low power attenuation, high power output

Low risk of hidden cracks
The fine non-destructive cell cutting process avoids the damage of cutting surface effectively and reduces the risk of hidden cracks and hot spots on modules

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

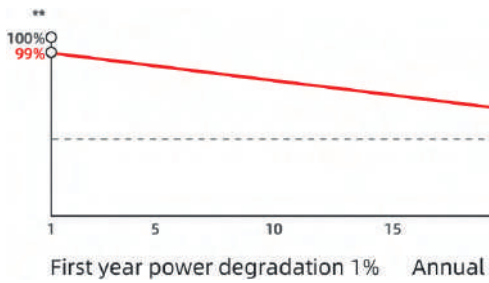
Superior load-bearing capability
Module certified to withstand **5400 Pa** front side max static test load and **2400 Pa** rear side max static test load *

ISO 14001 Environment Management System
ISO 45001 Occupational Health and Safety
ISO 9001 Quality Management System
SA 8000 Social Responsibility Standards
IEC TS 62941 Guideline for Module Design

IEC 61701 Salt-mist Certification
IEC 62716 Ammonia Certification
IEC 60068-2-68 Dust and Sand







First year power degradation 1% Annual degradation 0.40%

30 years of linear warranty

15 years of product warranty

* 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.

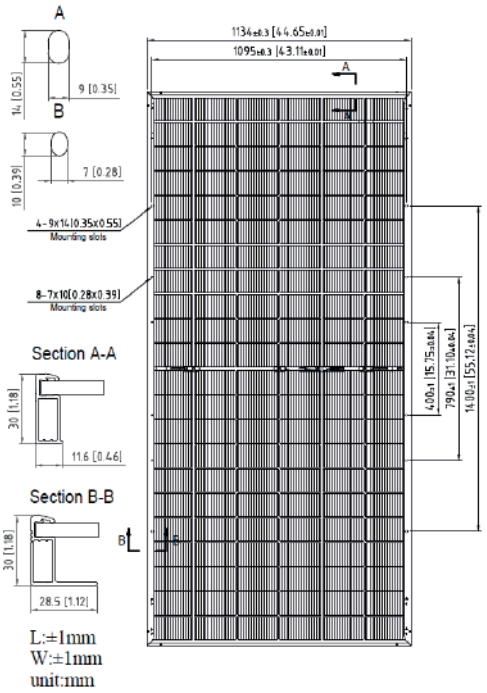
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Ultra T 2.0 STPXXXS-H66-Nsh+ 615-635W

Mechanical Characteristics

Solar Cell	N-type monocrystalline silicon
No. of Cells	132 (6 × 22)
Dimensions	2382 × 1134 × 30 mm (93.8 × 44.6× 1.2 inches)
Weight	33.1 kg (72.97 lbs.)
Front Glass	2.0 mm (0.079 inches), anti-reflective coating
Back Glass	2.0 mm (0.079 inches), heat strengthened glass
Output Cables (Including Connector)	4.0 mm², (+) 300 mm / (–) 300 mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +70 °C
Maximum System Voltage	1500 V DC (IEC)
Connectors	STP-XC4-4 or customer specifies
Maximum Series Fuse Rating	35 A
Power Tolerance	0 ~ + 3%
Refer. Bifaciality Factor	(80 ± 5)%
Frame	Anodized aluminum alloy frame
Packing Configuration	36 pieces per pallet 720 pieces per container / 40'HC 2396 × 1120 × 1260 mm per pallet 1220 kg per pallet

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



Electrical Characteristics (STC)

Module Type	STP635S-H66-Nsh+	STP630S-H66-Nsh+	STP625S-H66-Nsh+	STP620S-H66-Nsh+	STP615S-H66-Nsh+
Maximum Power (Pmax/W)	635	630	625	620	615
Optimum Operating Voltage (Vmp/V)	41.31	41.15	40.98	40.82	40.65
Optimum Operating Current (Imp/A)	15.37	15.31	15.25	15.19	15.13
Open Circuit Voltage (Voc/V)	49.70	49.50	49.30	49.10	48.90
Short Circuit Current (Isc/A)	16.25	16.19	16.13	16.07	16.01
Module Efficiency (%)	23.5	23.3	23.1	23.0	22.8

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; Measuring tolerance is within +/- 3%;

Electrical Characteristics (BNPI)

Maximum Power (Pmax/W)	704	698	693	687	681
Optimum Operating Voltage (Vmp/V)	41.30	41.10	40.90	40.70	40.50
Optimum Operating Current (Imp/A)	17.05	16.99	16.95	16.88	16.82
Open Circuit Voltage (Voc/V)	49.97	49.77	49.57	49.37	49.16
Short Circuit Current (Isc/A)	18.01	17.94	17.87	17.81	17.74

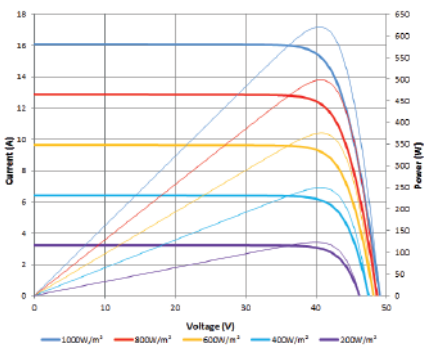
BNPI: Irradiance front 1000 W/m2, rear 135 W/m2, module temperature 25 °C, AM=1.5;

Temperature Characteristics

Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°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 (620W)



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