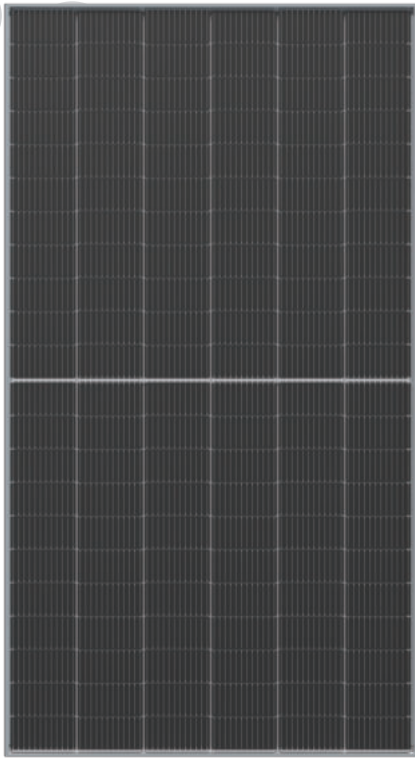


# Ultra X Plus

HALF-CELL MONOFACIAL MODULE

TYPE: STPXXXS-D66/Wmh



**655-675W** **21.7%**  
POWER OUTPUT MAX EFFICIENCY



### High module conversion efficiency

Module efficiency up to 21.7% achieved through advanced cell technology and manufacturing process



### 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



### Extended wind and snow load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)\*



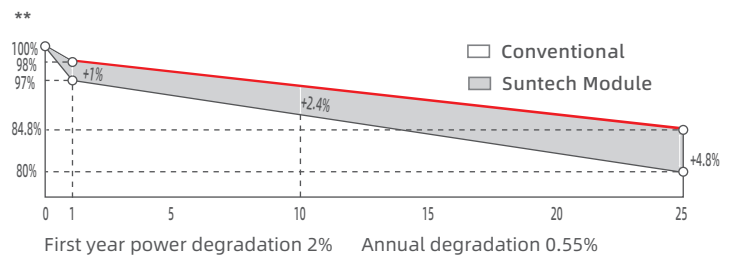
**Tier 1**  
Bloomberg  
NEW ENERGY FINANCE

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  
IEC 61730-2 (UL790) fire class C



**25** years of linear warranty  
**12** years of product warranty



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

\*\* Please refer to Suntech Limited Warranty for details.

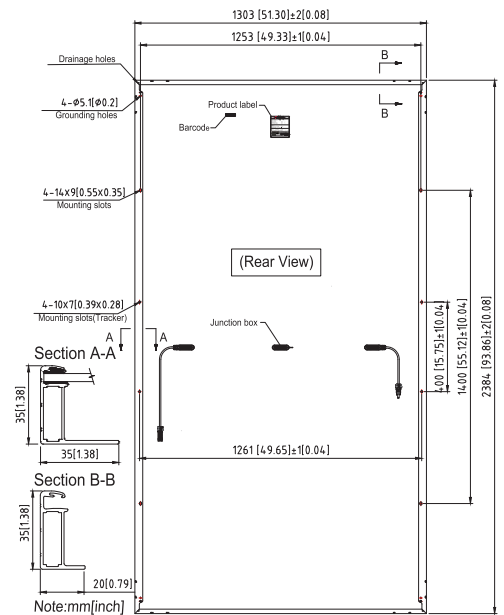
\*\*\* WEEE only for EU market.

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

# Ultra X Plus STPXXS-D66/Wmh 655-675W

## Mechanical Characteristics

Solar Cell	Monocrystalline silicon 210 mm
No. of Cells	132 (6 × 22)
Dimensions	2384 × 1303 × 35 mm (93.9 × 51.3 × 1.4 inches)
Weight	33.5 kg (73.9 lbs.)
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm <sup>2</sup> , (-) 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	STP-XC4
Maximum Series Fuse Rating	30 A
Power Tolerance	0/+5 W
Frame	Anodized aluminum alloy frame
Packing Configuration	31 Pieces per pallet 558 Pieces per container /40'HC 1325×1120×2510 1072.5kg



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

## Electrical Characteristics

Module Type	STP675S-D66/Wmh		STP670S-D66/Wmh		STP665S-D66/Wmh		STP660S-D66/Wmh		STP655S-D66/Wmh	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	675	510.9	670	507.5	665	503.7	660	499.9	655	496.1
Optimum Operating Voltage (Vmp/V)	38.65	36.2	38.45	36.0	38.25	35.8	38.05	35.6	37.85	35.4
Optimum Operating Current (Imp/A)	17.46	14.13	17.43	14.11	17.39	14.07	17.35	14.04	17.31	14.00
Open Circuit Voltage (Voc/V)	46.65	44.0	46.45	43.8	46.25	43.6	46.05	43.4	45.85	43.2
Short Circuit Current (Isc/A)	18.47	14.89	18.43	14.87	18.39	14.84	18.35	14.80	18.31	14.77
Module Efficiency (%)	21.7		21.6		21.4		21.2		21.1	

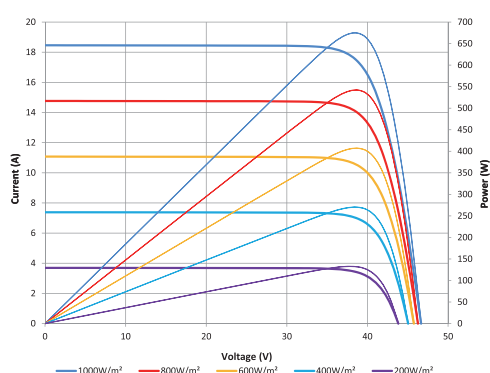
STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Measuring tolerance is within +/- 3%;

## 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 (675W)



## Information bar

