

Ultra X Pro Plus

HALF-CELL N-Type TOPCon

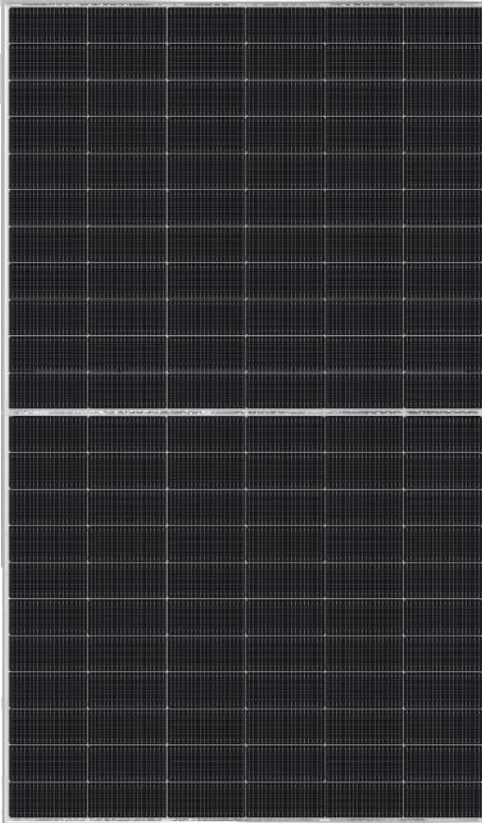
Glass-Glass BIFACIAL MODULE

TYPE: STPXXXS-D66-Nsh+

700-720W **23.2%**

POWER OUTPUT

MAX EFFICIENCY



Higher value for customers

effectively reduce system BOS cost, achieve lower LCOE, and improve project profitability



Compatible with mainstream trackers

the module design is highly compatible with power plant tracking systems, which offers a cost-effective solution for large power plants



Withstand harsh environments

through the high salt spray LID ammonia resistance test, more adaptable to high temperature, strong wind, ice, snow and salt water corrosion of the climate environment



Extended wind and snow load tests

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

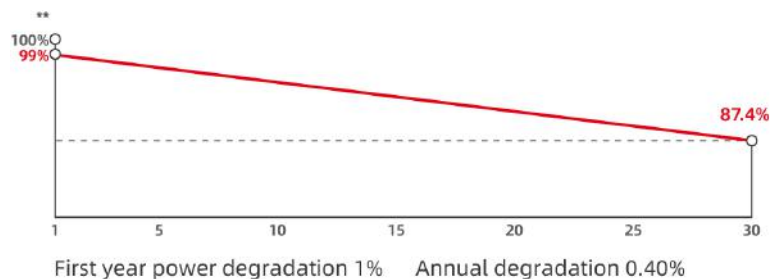


ISO 14001 Environment Management System
 ISO 45001 Occupational Health and Safety
 ISO 9001 Quality Management System
 SA 8000 Social Responsibility Standards
 IEC TS 62941 Guideline for Module Design

IEC 61701 Salt-mist Certification
 IEC 62716 Ammonia Certification
 IEC 60068-2-68 Dust and Sand
 IEC 61730-2 (UL790) Fire Class C



30 years of linear warranty
15 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.

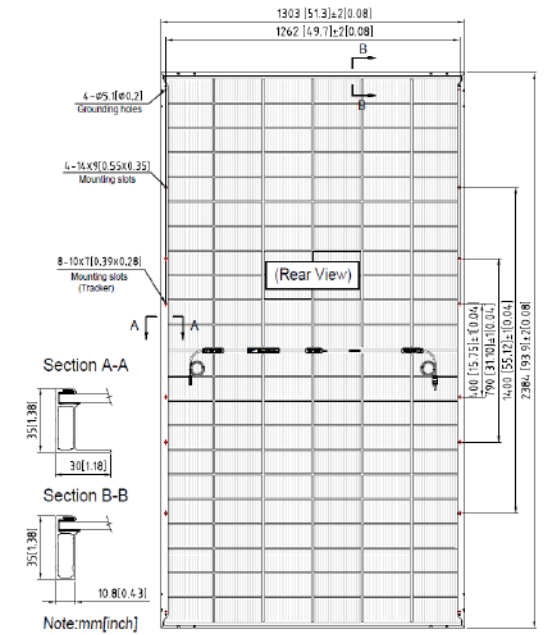
**** Suntech reserves the right to the final.

Ultra X Pro Plus STPXXS-D66-Nsh+ 700-720W

Mechanical Characteristics

Solar Cell	N-type monocrystalline silicon
No. of Cells	132 (6 × 22)
Dimensions	2384 × 1303 × 35 mm (93.9 × 51.3 × 1.4 inches)
Weight	37.5 kg (82.7 lbs.)
Front \ Back Glass	2.0+2.0 mm (0.079+ 0.079 inches) semi-tempered glass
Output Cables	4.0 mm ² , (-) 350 mm and (+) 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	35 A
Power Tolerance	0/+5 W
Refer. Bifaciality Factor	(80 ± 5)%
Frame	Anodized aluminum alloy frame
Packing Configuration	31 pieces per pallet 558 pieces per container /40'HC 1325×1120×2510mm per pallet 1196.5kg per pallet

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



Electrical Characteristics

Module Type	STP720S-D66-Nsh+		STP715S-D66-Nsh+		STP710S-D66-Nsh+		STP705S-D66-Nsh+		STP700S-D66-Nsh+	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	720	548	715	545	710	542	705	539	700	534
Optimum Operating Voltage (Vmp/V)	40.45	38.00	40.25	37.90	40.05	37.70	39.85	37.60	39.65	37.30
Optimum Operating Current (Imp/A)	17.81	14.41	17.78	14.40	17.72	14.38	17.69	14.35	17.66	14.32
Open Circuit Voltage (Voc/V)	48.45	46.00	48.25	45.80	48.05	45.60	47.85	45.50	47.65	45.20
Short Circuit Current (Isc/A)	18.83	15.18	18.79	15.15	18.75	15.12	18.71	15.08	18.67	15.05
Module Efficiency (%)	23.2		23.0		22.9		22.7		22.5	

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%;

Different Rearside Power Gain Reference to 710W Front

Rearside Power Gain	5%	15%	25%
Maximum Power at STC (Pmax)	746	817	888
Optimum Operating Voltage (Vmp/V)	40.05	40.05	40.15
Optimum Operating Current (Imp/A)	18.61	20.38	22.15
Open Circuit Voltage (Voc/V)	48.05	48.05	48.15
Short Circuit Current (Isc/A)	19.69	21.56	23.44
Module Efficiency (%)	24.0	26.3	28.6

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
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 (710W)

