

# Ultra T 2.0

HALF-CELL N-TYPE TOPCon

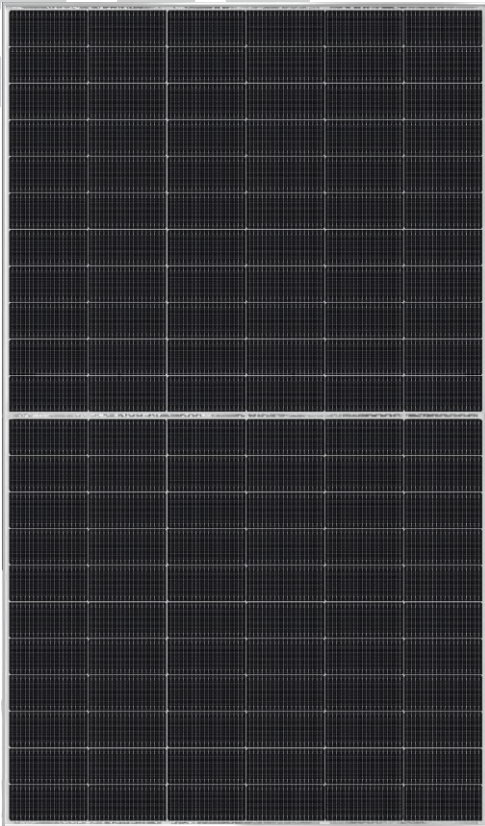
SILVER FRAME BIFACIAL DOUBLE-GLASS MODULE

TYPE: STPXXXS-D66-Nsh+

**715-735W**    **23.3%**

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



## 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 \*

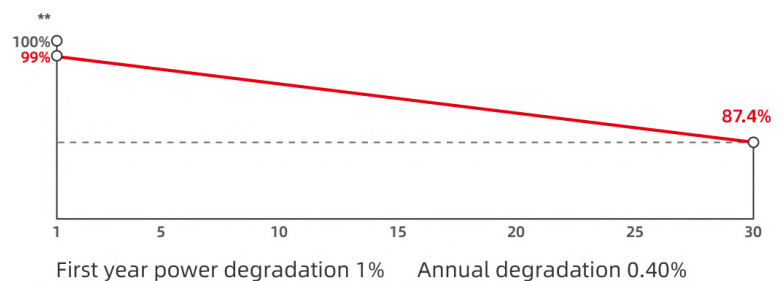


ISO 14001 Environment Management System  
ISO 45001 Occupational Health and Safety  
ISO 9001 Quality Management System  
SA 8000 Social Responsibility Standards  
IEC TS 62941 Guideline for Module Design

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



**30** years of linear warranty  
**15** years of product warranty



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

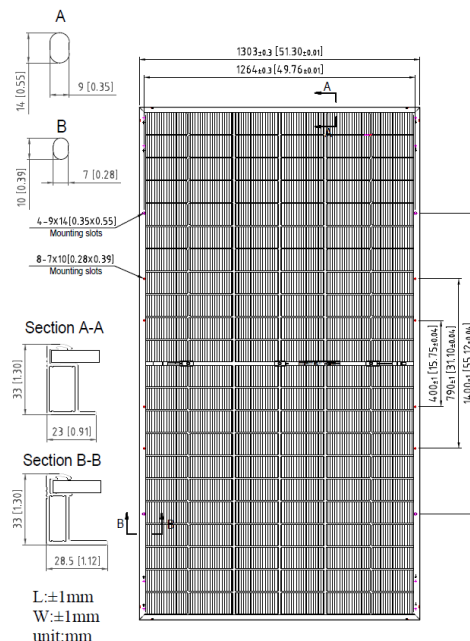
\*\* Please refer to Suntech Limited Warranty for details.

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

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

### Mechanical Characteristics

|                              |                                                                                                                 |
|------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Solar Cell                   | N-type monocrystalline silicon                                                                                  |
| No. of Cells                 | 132 (6 × 22)                                                                                                    |
| Dimensions                   | 2384 × 1303 × 33 mm (93.9 × 51.3 × 1.3 inches)                                                                  |
| Weight                       | 37.3 kg (82.2 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                | 4.0 mm <sup>2</sup> ,<br>(-) 350 mm and (+) 160 mm in length<br>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                                                                                                         |
| Maximum Series Fuse Rating   | 35 A                                                                                                            |
| Power Tolerance              | 0 ~ + 3%                                                                                                        |
| Refer. Bifaciality Factor    | (80 ± 5)%                                                                                                       |
| Frame                        | Anodized aluminum alloy frame                                                                                   |
| Packing Configuration        | 33 pieces per pallet<br>594 pieces per container / 40'HC<br>1325 × 1120 × 2510 mm per pallet 1260 kg per pallet |



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

### Electrical Characteristics (STC)

| Module Type                       | STP735S-D66-Nsh+ | STP730S-D66-Nsh+ | STP725S-D66-Nsh+ | STP720S-D66-Nsh+ | STP715S-D66-Nsh+ |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|
| Maximum Power (Pmax/W)            | 735              | 730              | 725              | 720              | 715              |
| Optimum Operating Voltage (Vmp/V) | 41.05            | 40.85            | 40.65            | 40.45            | 40.25            |
| Optimum Operating Current (Imp/A) | 17.90            | 17.87            | 17.84            | 17.81            | 17.78            |
| Open Circuit Voltage (Voc/V)      | 49.05            | 48.85            | 48.65            | 48.45            | 48.25            |
| Short Circuit Current (Isc/A)     | 18.95            | 18.91            | 18.87            | 18.83            | 18.79            |
| Module Efficiency (%)             | 23.7             | 23.5             | 23.3             | 23.2             | 23.0             |

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5; Measuring tolerance is within +/- 3%;

### Electrical Characteristics (BNPI)

|                                   | 815   | 809   | 803   | 798   | 792   |
|-----------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W)            |       |       |       |       |       |
| Optimum Operating Voltage (Vmp/V) | 41.00 | 40.80 | 40.60 | 40.40 | 40.20 |
| Optimum Operating Current (Imp/A) | 19.88 | 19.84 | 19.79 | 19.76 | 19.71 |
| Open Circuit Voltage (Voc/V)      | 49.31 | 49.11 | 48.91 | 48.71 | 48.51 |
| Short Circuit Current (Isc/A)     | 21.00 | 20.94 | 20.91 | 20.86 | 20.82 |

BNPI: Irradiance front 1000 W/m<sup>2</sup>, rear 135 W/m<sup>2</sup>, 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 (720W)

