



N Type Mono Solar Cell

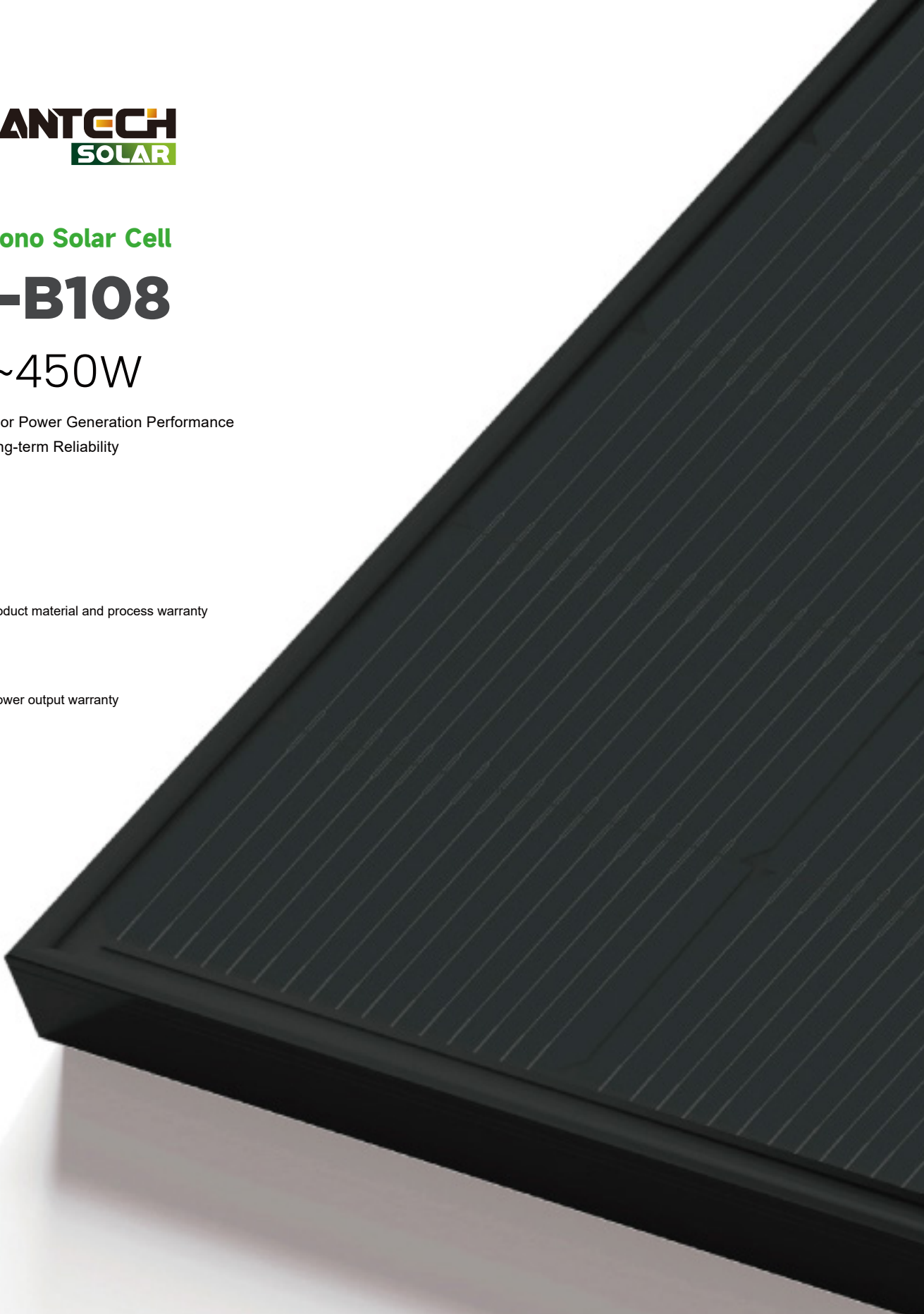
# XTL-B108

410W~450W

- Excellent Outdoor Power Generation Performance
- High Quality Long-term Reliability

**12** 12 years' product material and process warranty

**25** 25 Years' power output warranty



Wonderful Quality Assurance System& Production Certification

IEC 61215, IEC 61730, UL 61730  
ISO9001: 2015: ISO  
TUV/CE/CB/CQC



## Data sheet under STC Condition

|                                 |        |        |        |        |        |        |        |        |        |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Maximum power at STC (Pmax)     | 410W   | 415W   | 420W   | 425W   | 430W   | 435W   | 440W   | 445W   | 450W   |
| Optimum operating voltage (Vmp) | 31.35V | 31.47V | 31.60V | 31.66V | 31.80V | 31.88V | 32.00V | 32.04V | 32.21V |
| Optimum operating current (Imp) | 13.08A | 13.19A | 13.29A | 13.42A | 13.52A | 13.65A | 13.75A | 13.89A | 13.97A |
| Open-circuit voltage (Voc)      | 37.89V | 37.94V | 38.00V | 38.06V | 38.22V | 38.44V | 38.66V | 38.82V | 39.04V |
| Short-circuit current (Isc)     | 13.52A | 13.84A | 13.96A | 14.09A | 14.20A | 14.33V | 14.44A | 14.58A | 14.67A |
| Module Efficiency(%)            | 20.98% | 21.23% | 21.50% | 21.75% | 22.01% | 22.26% | 22.52% | 22.78% | 23.03% |

N-type Module Efficiency can reach 20.98%-23.03%  
 STC: irradiance 1000W/m<sup>2</sup>; AM 1.5; Ambient temperature: 25°C; Tested according to EN60904-3;  
 (STC: Irradiance 1000W/m<sup>2</sup>; Module temperature 25°C; AM=1.5)  
 NMOT: irradiance 800W/m<sup>2</sup>; Wind speed 1m/s; Wind speed 20;  
 (STC: Irradiance 1000W/m<sup>2</sup>; wind speed: 1m/s; Module temperature 20°C)  
 Pm allowance 0~+5W;  
 (Tolerance of Pm: 0~+5W)

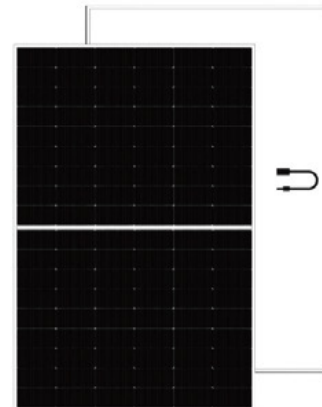
\*STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C AM=1.5  
 NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

## Mechanical Parameters

|                         |  |
|-------------------------|--|
| Cell                    | N Type Mono-crystalline silicon solar cells                  |
| Cell Size               | 182mm*91mm   |
| Cell Quantity           | 108Pcs(6*18)   |
| Dimension of module     | 1723mm × 1134mm × 30mm                                       |
| Weight                  | 20.5kg   |
| Junction Box            | Separated Junction Box with 3 diodes                         |
| Output Cables           | 4mm <sup>2</sup>   |
| Max. Static LDS (Front) | 5400kpa  |
| Max. Static LDS (Back)  | 2400kpa  |
| Hail Test               | Diameter: 25mm, with speed: 23m/s                            |
| Glass                   | 3.2mm  |
| Package                 | 35PCS/Package/Pallet 420PCS/20'GQ(2pcs/carton) 936pcs/40' HQ |
| Protection Grade        | Class II   |
| Fire Protection Class   | IEC Class C  |

## Rated Parameters

|   |                    |
|---|--------------------|
| Short-circuit current temperature coefficient   | (0.065±0.015) %/°C |
| Open-circuit it voltage temperature coefficient | (80±10) mV/°C      |
| Peak power temperature coefficient              | -(0.5±0.05) %/C    |
| NOCT (Air 20°C; Sun 0.8kW/m wind 1m/s)          | 47±2°C             |
| Operatin g temperature                          | -40°C to 85°C      |
| Maximum system voltage                          | 1500V DC           |
| Power tolerance                                 | ±1%                |



## I-V curve

