

- IEC61215:2021 / IEC61730:2023
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems

SMBB Technology

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	132（66×2）
Dimensions	2384×1303×33 mm
Weight	37.5 kg
Front Glass	2.0 mm, Anti-Reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Output Cables (Including Connector)	⩾ 4.0 mm^2 (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	
Packing Detail (Two pallets = One stack)	

Specifications (STC)

Maximum Power - Pmax [Wp]*	
Maximum Power Voltage - Vmp [V]	
Maximum Power Current - Imp [A]	
Open-circuit Voltage - Voc [V]	
Short-circuit Current - Isc [A]	
Module Efficiency STC [%]	
Power Tolerance	0 ~ + 3 %
Temperature Coefficient of Pmax	-0.29 %/°C
Temperature Coefficient of Voc	-0.25 %/°C
Temperature Coefficient of Isc	0.045 %/°C

STC: Irradiance 1000W/m^2, Cell Temperature 25°C, AM=1.5.*Power measurement tolerance: ±3%

Specifications (BNPI)

Maximum Power - Pmax [Wp]*	
Maximum Power Voltage - Vmp [V]	
Maximum Power Current - Imp [A]	
Open-circuit Voltage - Voc [V]	
Short-circuit Current - Isc [A]	

BNPI: Irradiance: front 1000W/m^2, rear 135W/m^2, Cell Temperature 25°C, AM=1.5
*Power measurement tolerance: ±3%

Application Conditions

Level T_{98} ⩽ 70 °C	-40 °C ~ +70 °C*
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	35 A
Bifaciality Coefficents	φVoc: 98±5 %, φIsc: 80±5 %, φPmax: 80±5 %

Engineering Drawings

Electrical Performance2384 2mmPower ( )Power