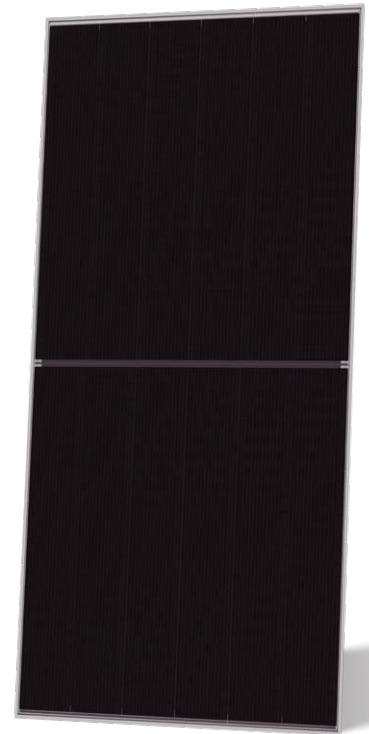


66QL6-BDX

650-680 Watt

85 $\pm$ 5% Bifaciality

BIFACIAL MODULE



High Hail Resistance

Designed for IEC 45mm Hail Standard and Harsh Weather Level 4, this module offers reinforced glass and a dedicated BOM for superior hail impact resistance, ensuring



Mechanical Load Enhanced

Certified to withstand:
7000 Pa front side max static test load
5000 Pa rear side max static test load



Fire Rating A

Obtained fire rating class A (TÜV Nord) test report



Proven Low Light Performance

Enhanced cell structure ensures superior module performance under low-light conditions.



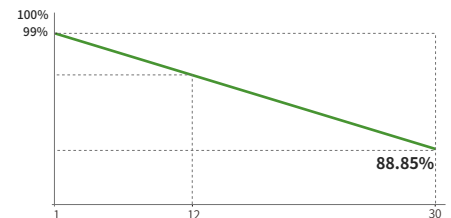
Optimized Heat resistance

Optimized temperature coefficient achieved via advanced graphical patterning, busbar and multi-cell technology.



Higher Power on Front Side

Leading power class based on the enhanced N-type TOPCon platform, through cutting-edge technology and an optimized layout that captures more sunlight.



12 Year
Product Warranty

30 Year
Linear Power
Warranty

1%
First-year
Degradation

0.35%
Annual Degradation
Over 30 Years

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



POSITIVE QUALITY™
Continuous Quality Assurance

66QL6-BDX 650-680 Watt

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of Cells	264 (66×4)
Dimensions	2382×1134×30 mm
Weight	40.5 kg
Front Glass	2.5 mm, Anti-reflection Coating
Back Glass	2.5 mm, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class A
Connector Type	JK03M / JK03M2 / Others*
Output Cables (Including Connector)	≥4.0 mm ² (+): 500 mm , (-): 400 mm or Customized Length

Packaging Configuration

Pallet Dimensions	2442×1140×1251 mm
Packing Detail (Two pallets = One stack)	36 pcs/pallet, 72 pcs/stack, 576 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	650	655	660	665	670	675	680
Maximum Power Voltage - Vmp [V]	42.57	42.70	42.78	42.85	42.92	43.00	43.07
Maximum Power Current - Imp [A]	15.27	15.34	15.43	15.52	15.61	15.70	15.79
Open-circuit Voltage - Voc [V]	50.26	50.44	50.50	50.55	50.60	50.65	50.70
Short-circuit Current - Isc [A]	15.98	16.04	16.14	16.24	16.34	16.44	16.54
Module Efficiency STC [%]	24.06	24.25	24.43	24.62	24.80	24.99	25.17
Bifacial Factor	85 ± 5%						
Power Measurement Tolerance	± 3%						
Power Sorting	0 ~ +3 %						
Temperature Coefficient of Pmax	-0.26 %/°C						
Temperature Coefficient of Voc	-0.24 %/°C						
Temperature Coefficient of Isc	0.046 %/°C						

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

Maximum Power - Pmax [Wp]*	724	729	735	741	746	752	758
Maximum Power Voltage - Vmp [V]	42.52	42.69	42.70	42.75	42.80	42.85	42.90
Maximum Power Current - Imp [A]	17.04	17.10	17.21	17.32	17.42	17.54	17.64
Open-circuit Voltage - Voc [V]	50.38	50.56	50.70	50.75	50.80	50.85	50.90
Short-circuit Current - Isc [A]	17.80	17.87	17.98	18.09	18.20	18.31	18.43

BNPI: Irradiance: Front 1000W/m², Rear 135W/m², Cell Temperature 25°C, AM=1.5.

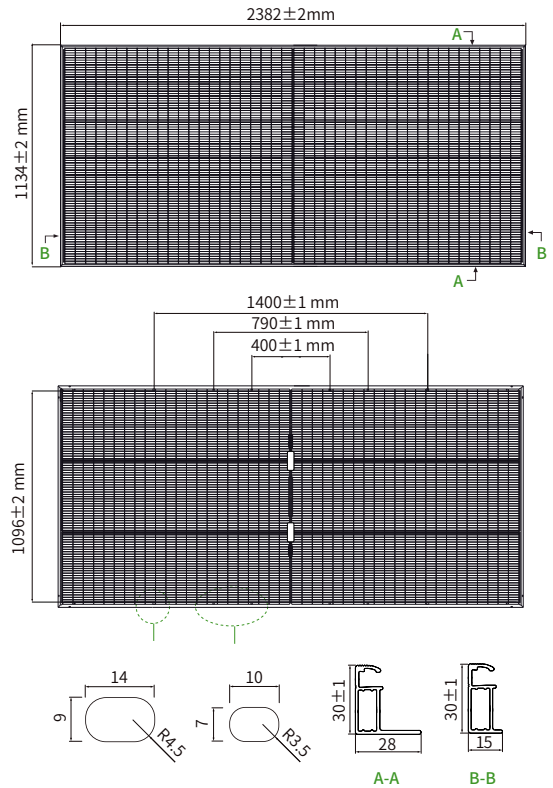
*Power measurement tolerance: ±3%

Application Conditions

Level T ₉₈ ≤ 70 °C	-40 °C ~ +70 °C*
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	35 A
Bifaciality Coefficients	φVoc: 98±5 %, φIsc: 85±5 %, φPmax: 85±5 %

*Short-term up to 85°C; higher operation requires IEC TS 63126 testing

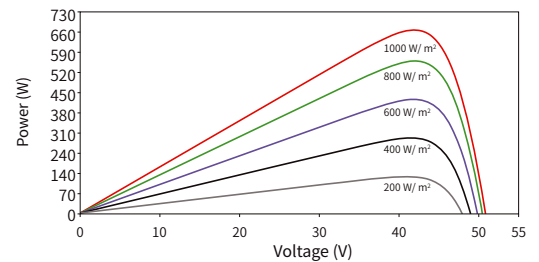
Engineering Drawings



Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance

Power-Voltage Curves (66QL6-BDX 660W)



Current-Voltage Curves (66QL6-BDX 660W)

