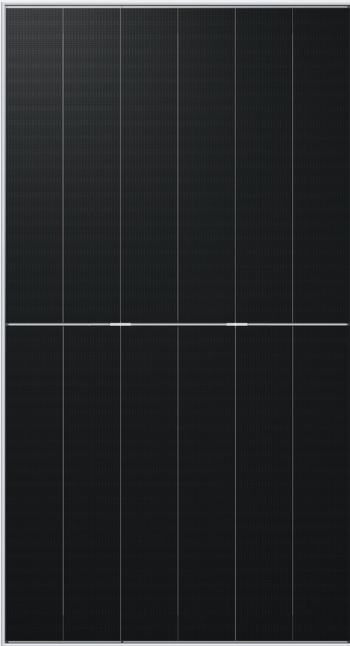


TNOC 3.0

N-type Bifacial Module (66)

TWMNF-66QD



Lower inner loss,
pioneering power and efficiency



High Bifaciality,
increased customer benefits

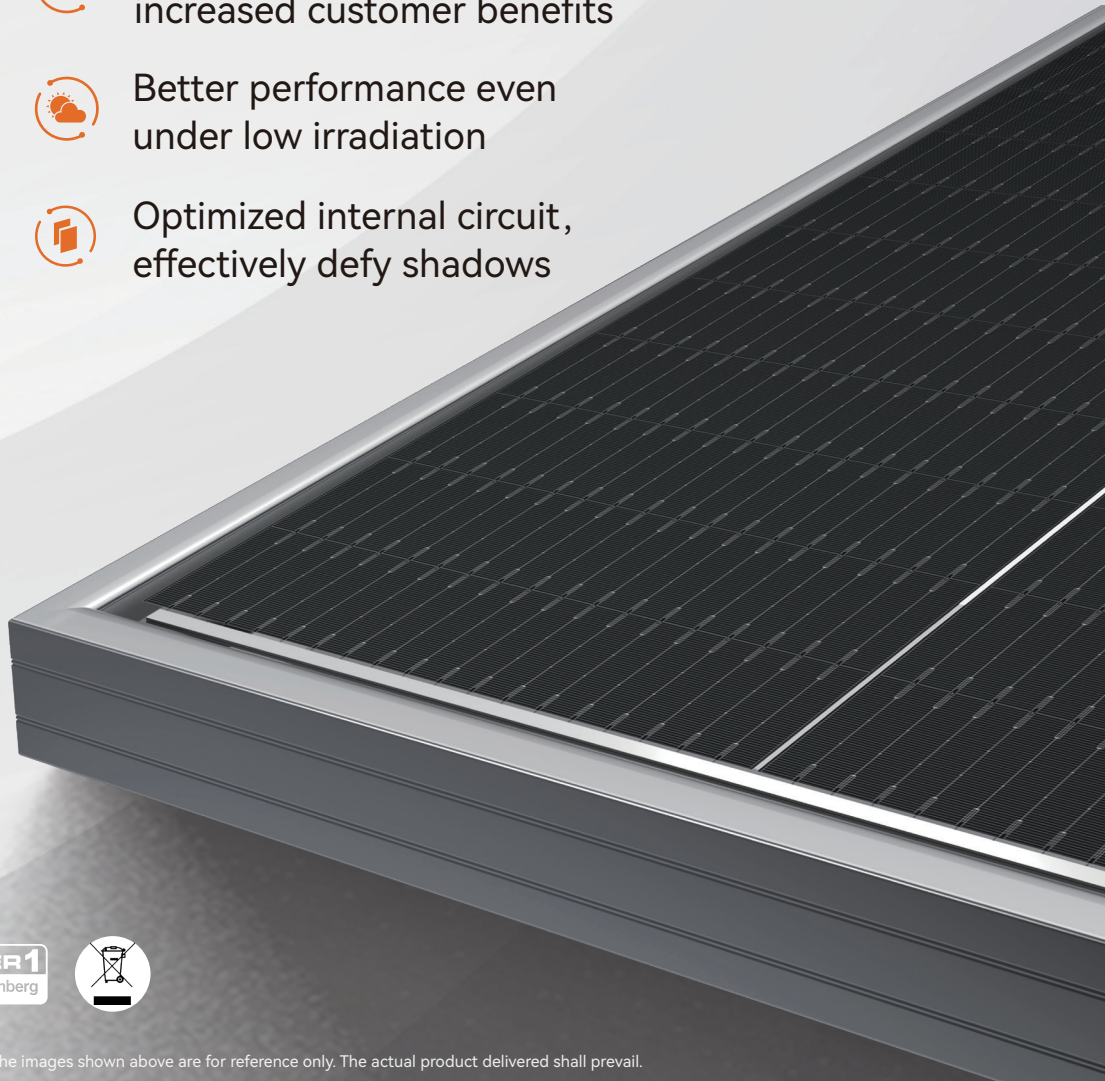
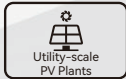


Better performance even
under low irradiation

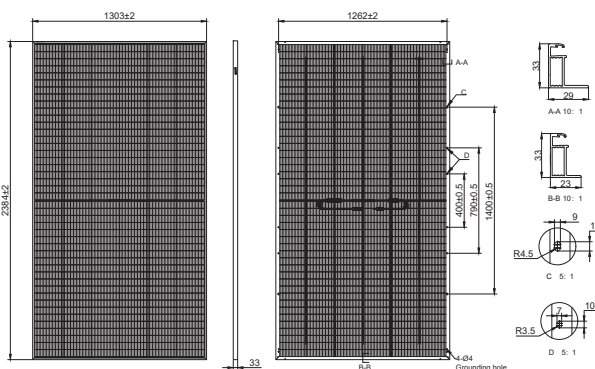


Optimized internal circuit,
effectively defy shadows

740-765W



Drawings (Unit: mm)



Mechanical Parameters

Cell Type	TNC
Cell Orientation	264 [6×44]
Dimension	2384±2×1303±2×33mm
Weight	37.3 kg
Front Glass	2.0 mm AR coating semi tempered glass
Rear Glass	2.0 mm semi tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
Cable	4.0 mm ²
Cable Length	+400 mm, -600 mm or ±1,400 mm; length can be customized
Maximum Static Test Load	5,400 Pa (front) / 2,400 Pa (rear)
Packaging (Per pallet)	33 pcs
Packaging	594 pcs per 40'HC

Electrical Characteristics (STC)

Module type: TWMNF-66QDXXX

Maximum Power: Pmax [W]	740	745	750	755	760	765
Open Circuit Voltage: Voc [V]	49.80	49.95	50.10	50.25	50.40	50.55
Short Circuit Current: Isc [A]	18.81	18.87	18.93	18.99	19.05	19.11
Voltage at Maximum Power: Vmp [V]	41.69	41.86	42.02	42.18	42.34	42.50
Current at Maximum Power: Imp [A]	17.75	17.80	17.85	17.90	17.95	18.00
Module Efficiency: η [%]	23.8	24.0	24.1	24.3	24.5	24.6

* STC: Irradiance 1000W/m², Cell temperature 25°C, AM=1.5, Power measurement tolerance: ±3%

Electrical Characteristics (BNPI)

Maximum Power: Pmax [W]	820	826	831	837	843	848
Open Circuit Voltage: Voc [V]	49.80	49.95	50.10	50.25	50.40	50.55
Short Circuit Current: Isc [A]	20.85	20.91	20.98	21.05	21.11	21.18
Voltage at Maximum Power: Vmp [V]	41.69	41.86	42.02	42.18	42.34	42.50
Current at Maximum Power: Imp [A]	19.67	19.74	19.78	19.85	19.92	19.96

* BNPI: Front side irradiance 1000W/m², Rear side irradiance 135W/m², Cell Temperature=25°C, AM=1.5 Power measurement tolerance:±3%

Electrical characteristics with different rear side power gain

5%	Maximum Power: Pmax[W]	777	782	787	792	798	803
	Module Efficiency: η [%]	25.0	25.2	25.3	25.5	25.7	25.9
15%	Maximum Power: Pmax[W]	851	856	862	868	874	879
	Module Efficiency: η [%]	27.4	27.6	27.7	27.9	28.1	28.3
25%	Maximum Power: Pmax[W]	925	931	937	943	950	956
	Module Efficiency: η [%]	29.8	30.0	30.2	30.4	30.6	30.8

Temperature Rating

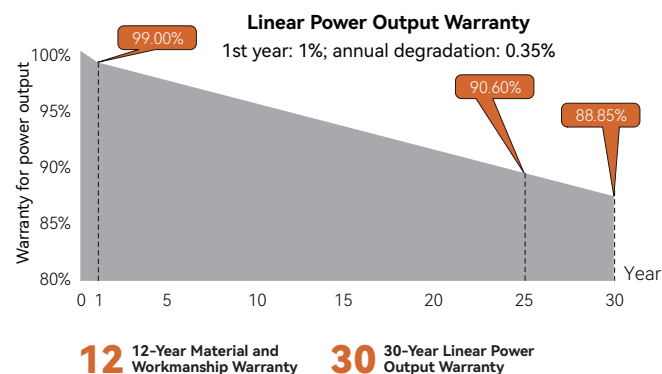
Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.046%/°C

Operating Parameters

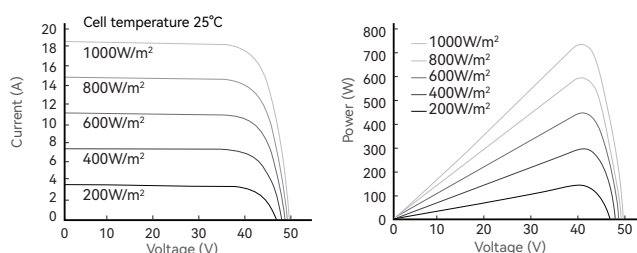
Operating Temperature*	[T ₉₈]≤70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	0~+3%
Bifaciality coefficient of Pmax	85±5%
Bifaciality coefficient of Voc	98±5%
Bifaciality coefficient of Isc	85±5%

*The module operating temperature can reach up to 85°C for short term.

Warranty



Curve



Certifications

Quality Management System and Product Certification

- ISO 9001: 2015 / Quality Management System
- ISO 14001: 2015 / Environmental Management System
- ISO 45001: 2018 / Occupational Health and Safety Management System
- ISO 50001: 2018 / Energy Management System
- IEC 62941: 2019 / Quality System for PV Module Manufacturing
- IEC 61215 (2021) / IEC 61730 (2023), IEC TS 62804, IEC 61701, IEC 62716, IEC 60068-2-68



Scan the code for more information