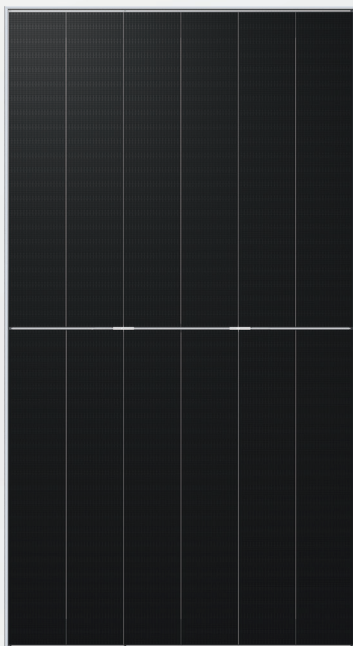


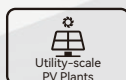
TNC 3.0

N-type Bifacial Module (66)

TWMNF-66QD



745-770W



Lower inner loss,
pioneering power and efficiency



High Bifaciality,
increased customer benefits



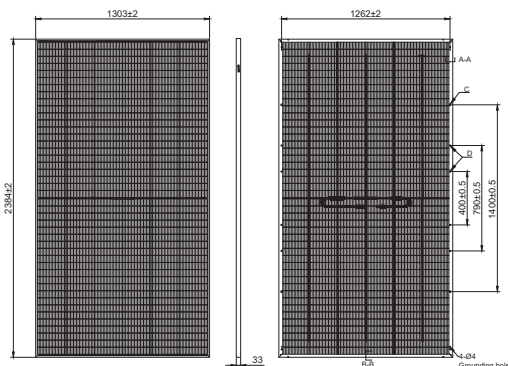
Better performance even
under low irradiation



Optimized internal circuit,
effectively defy shadows



Drawings (Unit: mm)



Electrical Characteristics (STC)

Module type:	TWMNF-66 QD745	TWMNF-66 QD750	TWMNF-66 QD755	TWMNF-66 QD760	TWMNF-66 QD765	TWMNF-66 QD770
Maximum Power: P _{max} [W]	745	750	755	760	765	770
Open Circuit Voltage: V _{oc} [V]	49.95	50.10	50.25	50.40	50.55	50.70
Short Circuit Current: I _{sc} [A]	18.87	18.93	18.99	19.05	19.11	19.17
Voltage at Maximum Power: V _{mp} [V]	41.86	42.02	42.18	42.34	42.50	42.66
Current at Maximum Power: I _{mp} [A]	17.80	17.85	17.90	17.95	18.00	18.05
Module Efficiency: η [%]	23.98	24.14	24.31	24.47	24.63	24.79

* STC: Irradiance 1000W/m², Cell temperature 25°C, AM=1.5, Power measurement tolerance: ±3%, V_{oc} measurement tolerance: ±5%, I_{sc} measurement tolerance: ±5%

Electrical Characteristics (BNPI)

Maximum Power: P _{max} [W]	826	831	837	843	848	854
Open Circuit Voltage: V _{oc} [V]	49.95	50.10	50.25	50.40	50.55	50.70
Short Circuit Current: I _{sc} [A]	20.91	20.98	21.05	21.11	21.18	21.25
Voltage at Maximum Power: V _{mp} [V]	41.86	42.02	42.18	42.34	42.50	42.66
Current at Maximum Power: I _{mp} [A]	19.74	19.78	19.85	19.92	19.96	20.02

* BNPI: Front side irradiance 1000W/m², Rear side irradiance 135W/m², Cell Temperature=25°C, AM=1.5
Power measurement tolerance: ±3%, V_{oc} measurement tolerance: ±5%, I_{sc} measurement tolerance: ±5%

Electrical Characteristics (BSI)

Short Circuit Current: I _{sc} [A]	23.40	23.48	23.55	23.63	23.70	23.78
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* BSI: Front side irradiance 1000W/m², Rear side irradiance 300W/m², Cell Temperature=25°C, AM=1.5
I_{sc} measurement tolerance: ±5%

Electrical characteristics with different rear side power gain

5%	Maximum Power: P _{max} [W]	782	787	792	798	803	808
	Module Efficiency: η [%]	25.17	25.34	25.50	25.69	25.85	26.01
15%	Maximum Power: P _{max} [W]	856	862	868	874	879	885
	Module Efficiency: η [%]	27.56	27.75	27.94	28.14	28.30	28.49
25%	Maximum Power: P _{max} [W]	931	937	943	950	956	962
	Module Efficiency: η [%]	29.97	30.16	30.36	30.58	30.78	30.97

Temperature Rating

Temperature Coefficient of P _{max}	-0.26%/°C
Temperature Coefficient of V _{oc}	-0.22%/°C
Temperature Coefficient of I _{sc}	+0.046%/°C

Operating Parameters

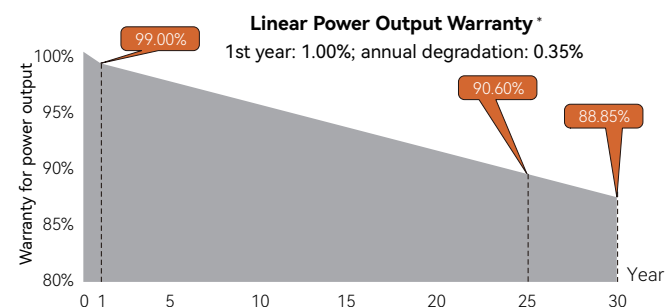
Operating Temperature*	[T ₉₈] ≤ 70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	0~+3%
Bifaciality coefficient of P _{max}	85±5%
Bifaciality coefficient of V _{oc}	98±5%
Bifaciality coefficient of I _{sc}	85±5%
Fire Class Rating	Class C

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

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
Connector	TW-PVCON-01, TW-PVCON-02 (Tongwei Solar) PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR (Staubli) PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy (Staubli) PV-ZH202B (Zhejiang Zhonghuan Sunter)
Maximum Static Test Load	5400Pa (positive) / 2400Pa (negative)
Packaging (Per pallet)	33 pcs
Packaging	594 pcs per 40'HC

Warranty

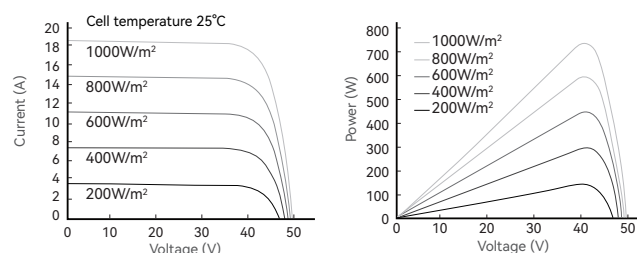


12 12-Year Material and Workmanship Warranty

30 30-Year Linear Power Output Warranty

*The warranty only applies to the front-side peak power of modules under STC.

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