TW SOLAR



High Power Output
Low LCOE

Maximum Power
740W+

TWMNF

N-type Half-cell
Bifacial Module(66)
66HD720-740W

Certisolis

TIER 1 Bloomberg NEW ENERGY FINANCE

Utility-scale PV Plants

12 YEAR Materials Warranty

30 YEAR Power Warranty

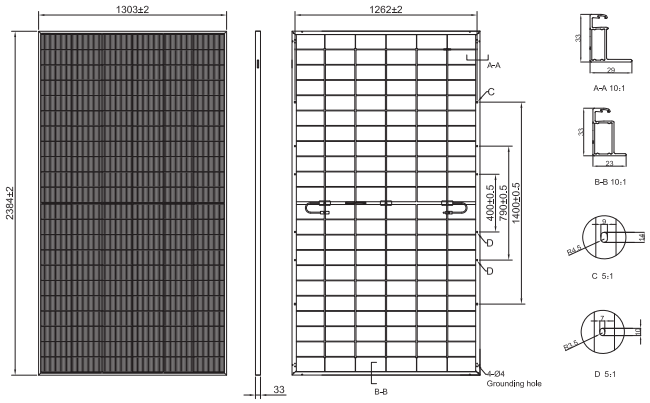
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Learn More

TWMNF N-type Half-cell Bifacial Module(66)

66HD720-740W

Drawings (Unit: mm)



Mechanical Parameters

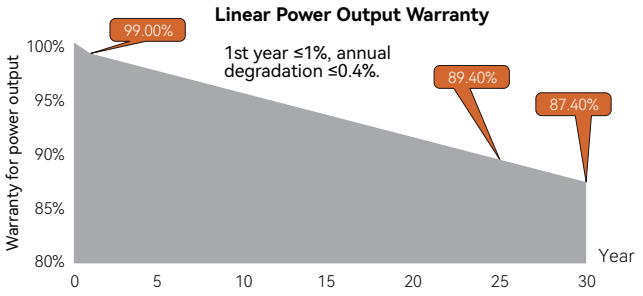
Cell Type	TNC2.0 (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimensions	2384±2×1303±2×33mm
Weight	37.3kg
Front Glass	2.0mm AR coating semi tempered glass
Rear Glass	2.0mm semi tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
Cable	4.0mm²
Cable length	+400mm,-200mm or ±1400mm,length can be customized
Wind/Snow load	2400Pa/5400Pa
Per pallet	33 pcs
Packaging	594 pcs per 40'HC

Electrical Characteristics (STC)

Module type: TWMNF-66HDXXX					
Maximum Power: Pmax [W]	720	725	730	735	740
Open Circuit Voltage: Voc [V]	49.28	49.45	49.55	49.65	49.80
Short Circuit Current: Isc [A]	18.55	18.60	18.68	18.75	18.81
Voltage at Maximum Power: Vmp [V]	41.03	41.20	41.37	41.53	41.69
Current at Maximum Power: Imp [A]	17.55	17.60	17.65	17.70	17.75
Module Efficiency: η [%]	23.2	23.3	23.5	23.7	23.8

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

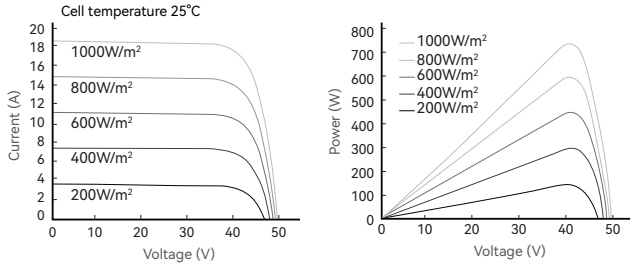
Linear Warranty



Electrical characteristics with different rear side power gain

5%	Maximum Power: Pmax[W]	756	761	766	771	777
	Module Efficiency: η [%]	24.3	24.5	24.7	24.8	25.0
15%	Maximum Power: Pmax[W]	828	833	839	845	851
	Module Efficiency: η [%]	26.7	26.8	27.0	27.2	27.4
25%	Maximum Power: Pmax[W]	900	906	912	918	925
	Module Efficiency: η [%]	29.0	29.2	29.4	29.6	29.8

I-V Curve



Temperature Rating

Temperature Coefficient of Pmax	-0.28%/℃
Temperature Coefficient of Voc	-0.24%/℃
Temperature Coefficient of Isc	+0.046%/℃

Operating Parameters

Operating Temperature	-40℃~+85℃
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	0~+3%
Bifaciality	80±5%

Certifications

Quality Management System and Product Certification

ISO 9001: 2015/Quality management systems
ISO 14001: 2015/Environmental management systems
ISO 45001: 2018/Occupation health and safety management systems
ISO 50001: 2018/Energy management systems
IEC 62941: 2019/Quality system for PV module manufacturing
IEC 61215 / IEC 61730, IEC 62804(PID),
IEC 61701(Salt), IEC 62716 (Ammonia), IEC 60068-2-68(Sand)

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Statement: With technological process and product update, there maybe deviation between the technical parameters of Tongwei's module products and the technical parameters contained in the specification, and Tongwei Solar has the right to adjust the technical parameters at any time without notifying the customer, the final interpretation of the technical specification is vested in Tongwei Solar. (TNC2.0-Preview-20250408)