



TWMNF

N-type Half-cell
Bifacial Module(66)

66HD720-740W

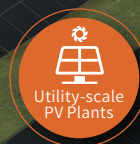
High Power Output
Low LCOE



Maximum Power
740W+



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Utility-scale
PV Plants



12
YEAR
Materials
Warranty

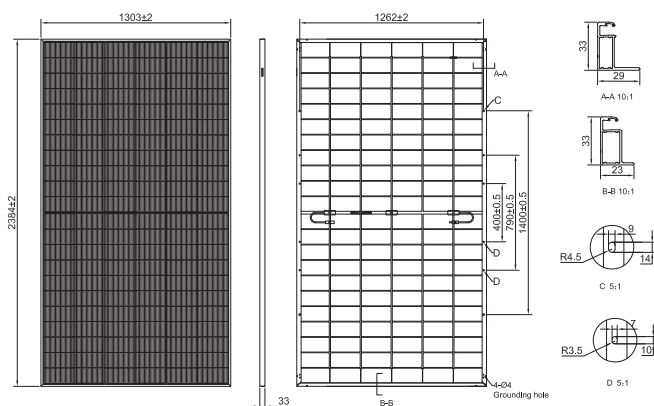


30
YEAR
Power
Warranty



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Drawings (Unit: mm)



Electrical Characteristics (STC)

Module type: TWMNF-66HDXXX

Maximum Power: P _{max} [W]	720	725	730	735	740
Open Circuit Voltage: V _{oc} [V]	49.28	49.45	49.55	49.65	49.80
Short Circuit Current: I _{sc} [A]	18.55	18.60	18.68	18.75	18.81
Voltage at Maximum Power: V _{mp} [V]	41.03	41.20	41.37	41.53	41.69
Current at Maximum Power: I _{mp} [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°C, AM=1.5, Power measurement tolerance: ±3%

Electrical Characteristics (BNPI)

Maximum Power: P _{max} [W]	794.8	800.5	805.9	811.5	817.1
Open Circuit Voltage: V _{oc} [V]	49.28	49.45	49.55	49.65	49.80
Short Circuit Current: I _{sc} [A]	20.48	20.53	20.62	20.70	20.77
Voltage at Maximum Power: V _{mp} [V]	41.03	41.20	41.37	41.53	41.69
Current at Maximum Power: I _{mp} [A]	19.37	19.43	19.48	19.54	19.60

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

Temperature Rating

Temperature Coefficient of P _{max}	-0.28%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of I _{sc}	+0.046%/°C

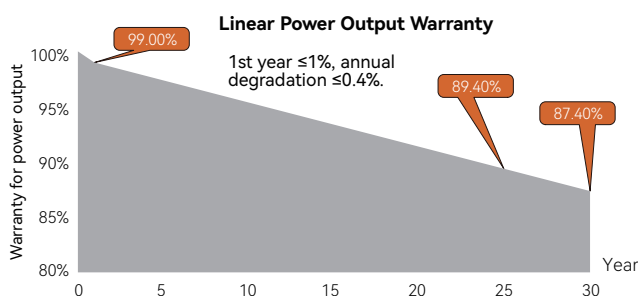
Operating Parameters

Operating Temperature	-40°C~+70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35A
Power Output Tolerance	0~+3%
Bifaciality coefficient of P _{max}	80±5%
Bifaciality coefficient of V _{oc}	98±5%
Bifaciality coefficient of I _{sc}	80±5%

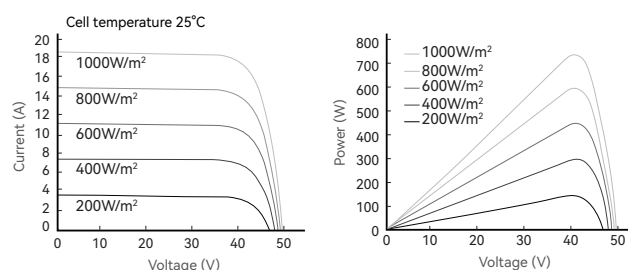
Mechanical Parameters

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	4.0mm ²
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

Linear Warranty



I-V Curve



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(2021) / IEC 61730(2023), 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-20250410)