

TNC^{2.0}

N-type Half-cell Bifacial Module (66)

TWMNF-66HD



Higher power generation, lower LCOE



Higher power output, higher conversion efficiency

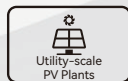


Enhanced reliability performance

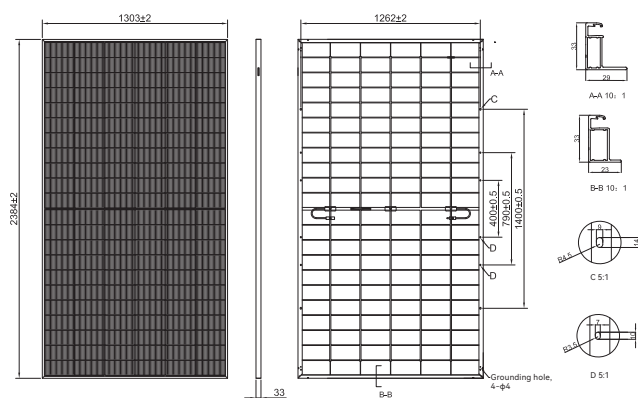


Higher bifaciality, superior energy yield

720-740W



Drawings (Unit: mm)



Mechanical Parameters

Cell Type	TNC
Cell Orientation	132 [6×22]
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, -200 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-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 = 1,000 W/m²; cell temperature = 25°C; AM = 1.5, power measuring tolerance: ±3%

Electrical characteristics with different rear side power gain

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

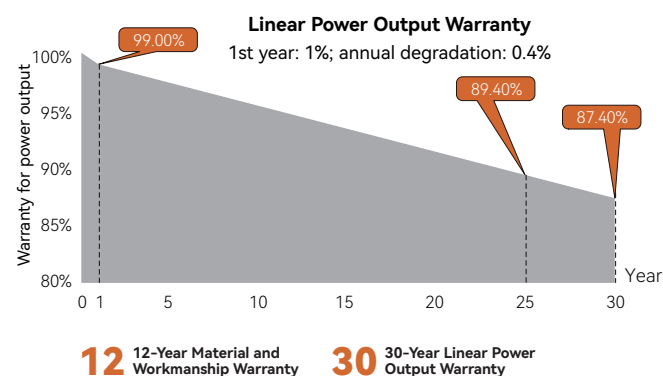
Temperature Rating

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

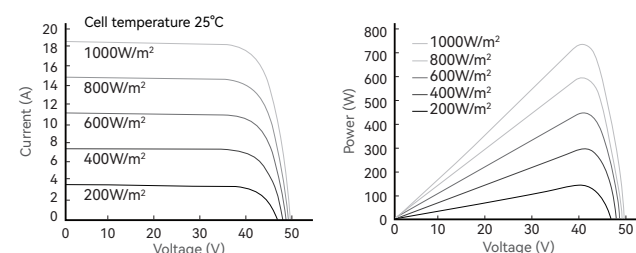
Operating Parameters

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

Warranty



Characteristics



Certifications

Quality Management System and Product Certification

ISO9001:2015/Quality Management System
ISO14001:2015/Environmental Management System
ISO45001:2018/Occupational Health and Safety Management System
ISO50001:2018 / Energy Management System
IEC 61215 / IEC 61730, IEC TS 62804,
IEC 61701, IEC 62716, IEC 60068-2-68



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