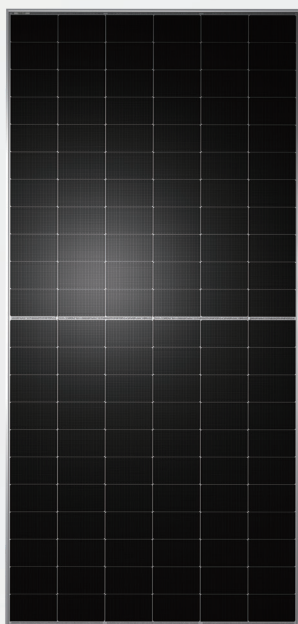


TNC

N-type Half-cell Bifacial Module (66)

TWMNH-66HD



Higher power generation, lower LCOE

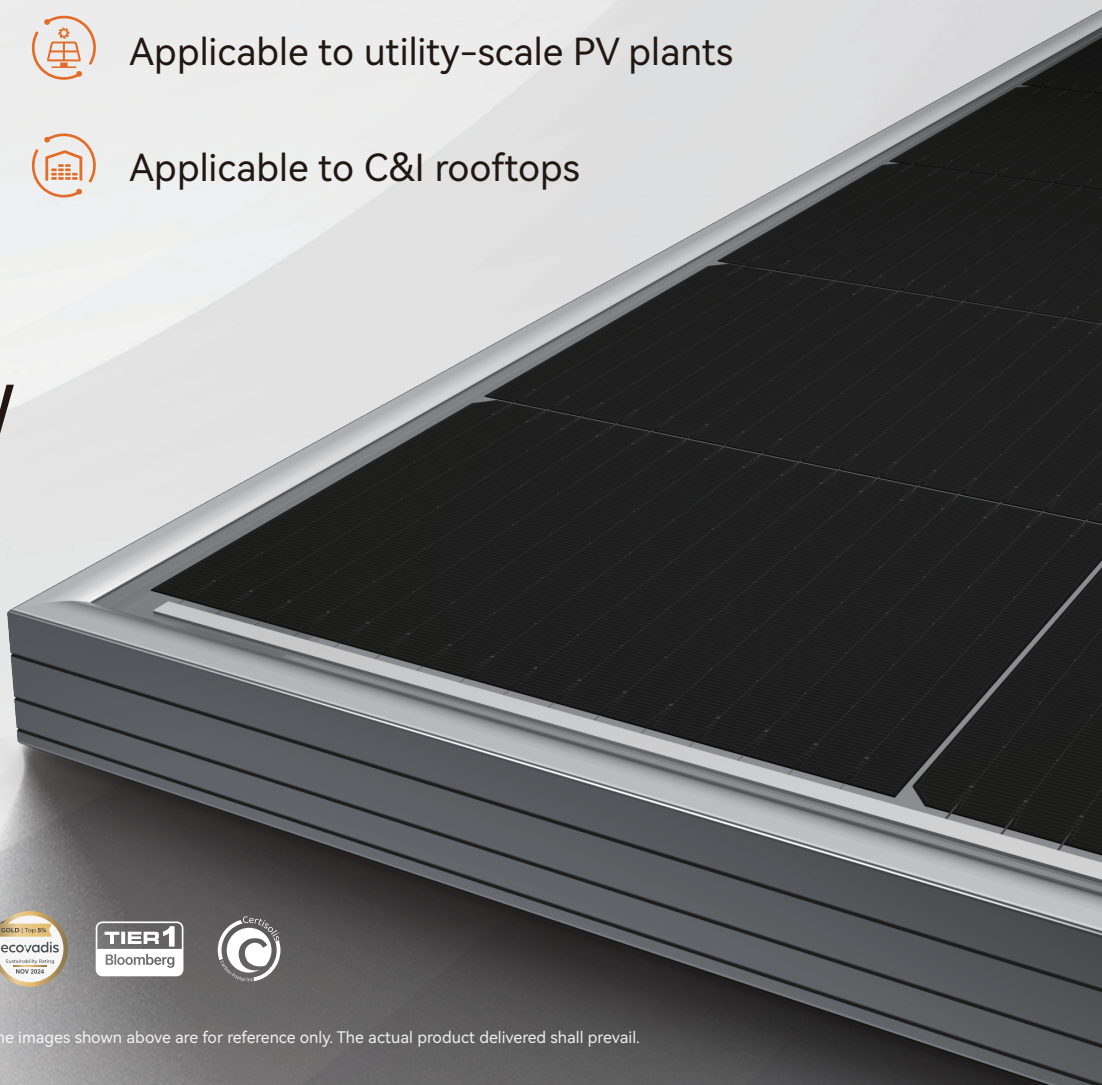
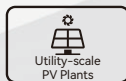


Applicable to utility-scale PV plants

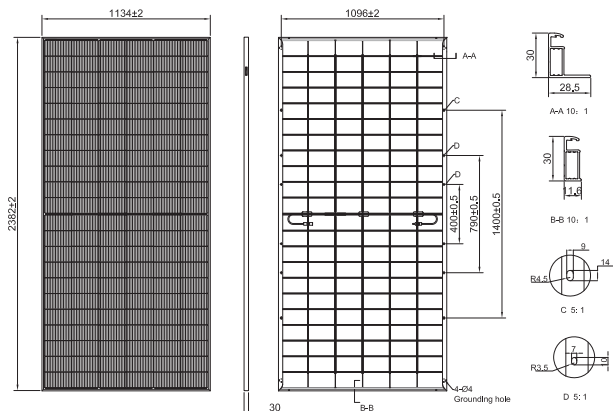


Applicable to C&I rooftops

610-630W



Drawings (Unit: mm)



Mechanical Parameters

Cell Type	TNC
Cell Orientation	132 [6×22]
Dimension	2382±2×1134±2×30mm
Weight	32.5kg
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	4.0mm 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)	36 pcs
Packaging	720 pcs per 40'HC

Electrical Characteristics (STC)

Module type: TWMNH-66HDXXX

Maximum Power: P _{max} [W]	610	615	620	625	630
Open Circuit Voltage: V _{oc} [V]	48.70	48.90	49.10	49.30	49.50
Short Circuit Current: I _{sc} [A]	15.94	16.00	16.06	16.12	16.18
Voltage at Maximum Power: V _{mp} [V]	40.48	40.65	40.82	40.96	41.10
Current at Maximum Power: I _{mp} [A]	15.07	15.13	15.19	15.26	15.33
Module Efficiency: η [%]	22.6	22.8	23.0	23.1	23.3

*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]	640	645	651	656	661
Efficiency:η [%]	23.7	23.9	24.1	24.3	24.5
Maximum Power:P _{max} [W]	701	707	713	718	724
Efficiency:η [%]	26.0	26.2	26.4	26.6	26.8
Maximum Power:P _{max} [W]	762	768	775	781	787
Efficiency:η [%]	28.2	28.4	28.7	28.9	29.1

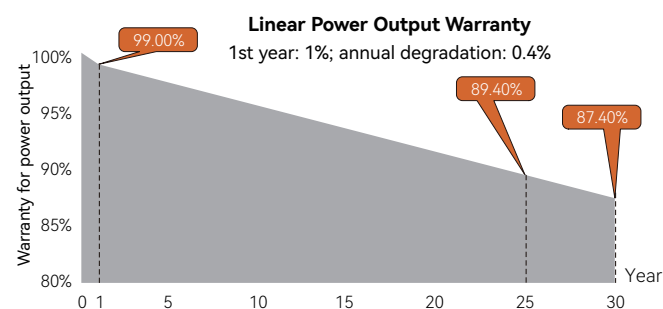
Temperature Rating

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	30A
Power Output Tolerance	0~+3%
Bifaciality	80±5%

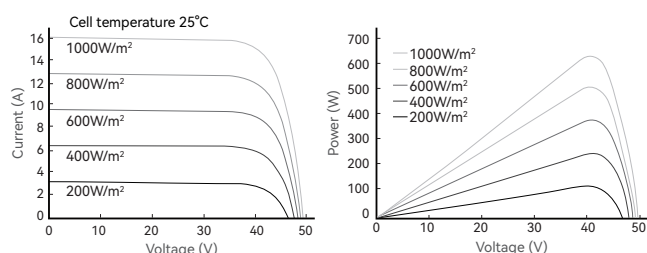
Warranty



12 12-Year Material and Workmanship Warranty

30 30-Year Linear Power Output Warranty

Curve



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
EC62941:2019 / Quality System for PV Module Manufacturing
IEC 61215 / IEC 61730, IEC TS 62804,
IEC 61701, IEC 62716, IEC 60068-2-68



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