

High Power Output
Low LCOE



Maximum Power
635W+



TWMNH

N-type Half-cell
Monofacial Module (66)

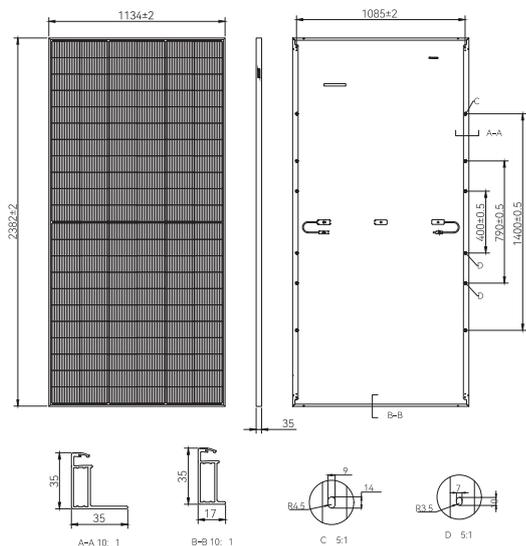
66HS610-635W

Tongwei Co.,Ltd.
<https://en.tongwei.cn/>



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DRAWINGS (Unit: mm)



MECHANICAL PARAMETERS

Cell Type	TNC (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimensions	2382±2×1134±2×35mm
Weight	29.0kg
Front Glass	3.2mm AR coated heat strengthened glass
Backsheet	White
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
Cable	4.0mm ²
Cable length	+400mm, -200mm or ±1400mm, length can be customized
Connector	TW-PVCON-01(Tongwei Solar) PV-KST4-EVO2/xy_UR, PV-KBT4-EVO2/xy_UR(Stäubli) PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy(Stäubli) PV-ZH202B(Zhonghuan), PV-JK03M2/xy(Jinko)
Wind/Snow load	2400Pa/5400Pa
Per pallet	31pcs
Packaging	620pcs per 40'HC

ELECTRICAL CHARACTERISTICS (STC)

Module Type:	TWMNH-66 HS610	TWMNH-66 HS615	TWMNH-66 HS620	TWMNH-66 HS625	TWMNH-66 HS630	TWMNH-66 HS635
Maximum Power: Pmax [W]	610	615	620	625	630	635
Open Circuit Voltage: Voc [V]	48.65	48.85	49.05	49.25	49.45	49.65
Short Circuit Current: Isc [A]	15.96	16.02	16.08	16.14	16.20	16.26
Voltage at Maximum Power: Vmp [V]	40.27	40.44	40.61	40.77	40.94	41.11
Current at Maximum Power: Imp [A]	15.15	15.21	15.27	15.33	15.39	15.45
Module Efficiency: η [%]	22.6	22.8	23.0	23.1	23.3	23.5

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

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power: Pmax [W]	461	464	468	472	476	480
Open Circuit Voltage: Voc [V]	46.31	46.51	46.70	46.89	47.08	47.27
Short Circuit Current: Isc [A]	12.89	12.93	12.98	13.03	13.08	13.13
Voltage at Maximum Power: Vmp [V]	37.70	37.79	37.96	38.13	38.30	38.50
Current at Maximum Power: Imp [A]	12.23	12.28	12.33	12.38	12.43	12.47

* NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1/m/s

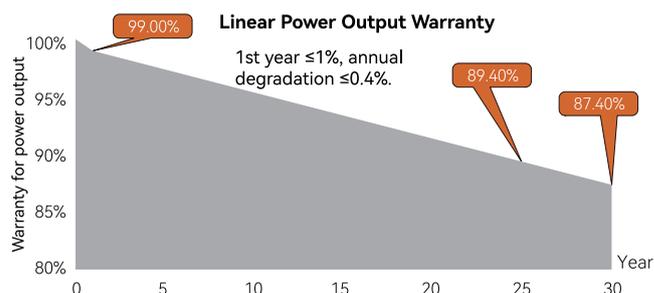
TEMPERATURE RATING

Temperature Coefficient (Pmax)	-0.28%/°C
Temperature Coefficient (Voc)	-0.24%/°C
Temperature Coefficient (Isc)	+0.046%/°C
NMOT	45±2°C

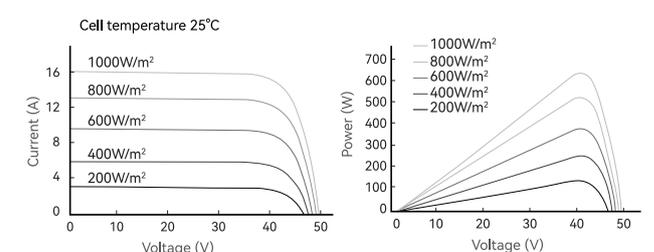
OPERATING PARAMETERS

Operating Temperature	-40°C~+70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25A
Power Selection Tolerance	0~+3%
Fire Class Rating	Class C

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 / Occupational 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)

