



TWMNH

N-type Half-cell
Monofacial Module (66)

66HS615-635W

High Power Output
Low LCOE



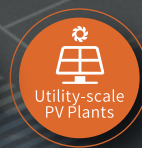
Maximum Power
635W+



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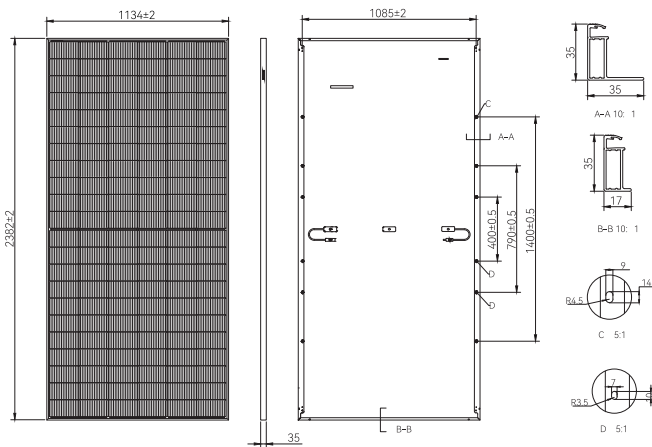


TIER 1
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DRAWINGS (Unit: mm)



ELECTRICAL CHARACTERISTICS (STC)

Module Type: TWMNH-66HSXXX

Maximum Power: P _{max} [W]	615	620	625	630	635
Open Circuit Voltage: V _{oc} [V]	48.85	49.05	49.25	49.45	49.65
Short Circuit Current: I _{sc} [A]	16.02	16.08	16.14	16.20	16.26
Voltage at Maximum Power: V _{mp} [V]	40.44	40.61	40.77	40.94	41.11
Current at Maximum Power: I _{mp} [A]	15.21	15.27	15.33	15.39	15.45
Module Efficiency: η [%]	22.8	23.0	23.1	23.3	23.5

* STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass1.5

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power: P _{max} [W]	464	468	472	476	480
Open Circuit Voltage: V _{oc} [V]	46.51	46.70	46.89	47.08	47.27
Short Circuit Current: I _{sc} [A]	12.93	12.98	13.03	13.08	13.13
Voltage at Maximum Power: V _{mp} [V]	37.79	37.96	38.13	38.30	38.50
Current at Maximum Power: I _{mp} [A]	12.28	12.33	12.38	12.43	12.47

* NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

TEMPERATURE PARAMETERS

Temperature Coefficient (P _{max})	-0.28%/°C
Temperature Coefficient (V _{oc})	-0.24%/°C
Temperature Coefficient (I _{sc})	+0.046%/°C
NMOT	45±2°C

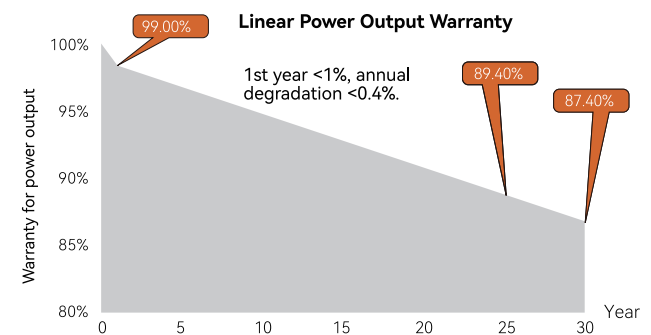
MAXIMUM RATINGS

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25A
Power Output Tolerance	0~+3%

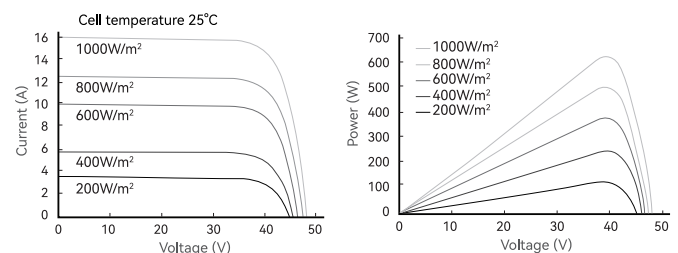
MECHANICAL PARAMETERS

Cells	TNC (N Type Monocrystalline Cell)
Cell Orientation	132[6×22]
Dimension	2382±2×1134±2×35mm
Weight	29.0kg
Front Glass	3.2mm high transmittance, AR coated tempered glass
Backsheet	White
Frame	Anodized aluminum alloy frame
Junction Box	IP68, 3 diodes
Output Cable	4.0mm ²
Cable Length	+400mm, -200mm or ± 1400mm, length can be customized
Wind/Snow Load	2400Pa/5400Pa
Packaging	31pcs per pallet, 620pcs per 40'HC

WARRANTY



I-V CURVE



CERTIFICATIONS

Quality Management System and Product Certification

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

