



TWMNH

N-type Half-cell
Monofacial Module (66)

66HS605-625W

High Power Output
Low LCOE



Maximum Power
625W+

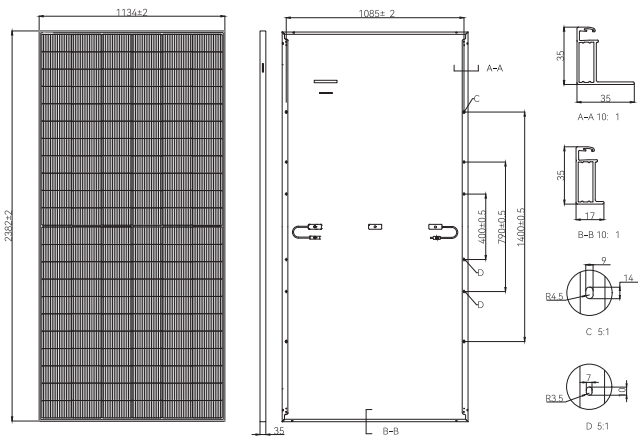


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DRAWINGS (Unit: mm)



ELECTRICAL CHARACTERISTICS (STC)

Module Type: TWMNH-66HSXXX					
Maximum Power: Pmax [W]	605	610	615	620	625
Open Circuit Voltage: Voc [V]	47.60	47.80	48.00	48.20	48.40
Short Circuit Current: Isc [A]	15.80	15.85	15.90	15.95	16.00
Voltage at Maximum Power: Vmp [V]	40.65	40.85	41.05	41.25	41.45
Current at Maximum Power: Imp [A]	14.89	14.94	14.99	15.04	15.08
Module Efficiency: η [%]	22.4	22.6	22.8	23.0	23.1

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power: Pmax [W]	455	459	462	466	470
Open Circuit Voltage: Voc [V]	45.22	45.41	45.60	45.79	45.98
Short Circuit Current: Isc [A]	12.76	12.80	12.84	12.88	12.92
Voltage at Maximum Power: Vmp [V]	37.86	38.06	38.19	38.39	38.62
Current at Maximum Power: Imp [A]	12.02	12.06	12.10	12.14	12.17

* STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5, Measuring Tolerance: $\pm 3\%$
 * NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

TEMPERATURE PARAMETERS

Temperature Coefficient (Pmax)	-0.30%/°C
Temperature Coefficient (Voc)	-0.25%/°C
Temperature Coefficient (Isc)	+0.046%/°C
NMOT	45 \pm 2°C

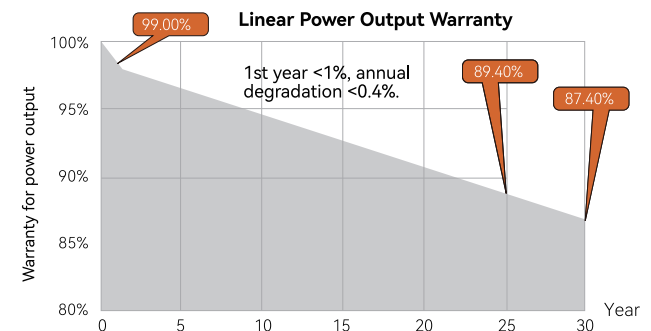
MAXIMUM RATINGS

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25A
Power Output Tolerance	0~+5W

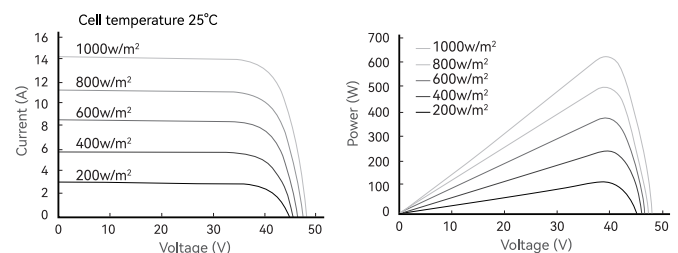
MECHANICAL PARAMETERS

Cells	TNC (N Type Monocrystalline Cell)
Cell Orientation	132[6X22]
Dimension	2382 \pm 2X1134 \pm 2X35mm
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, 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)

