

High Power Output
Low LCOE



Maximum Power
605W+

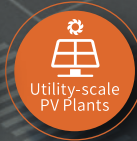


TWMND

N-type Half-cell
Monofacial Module (72)

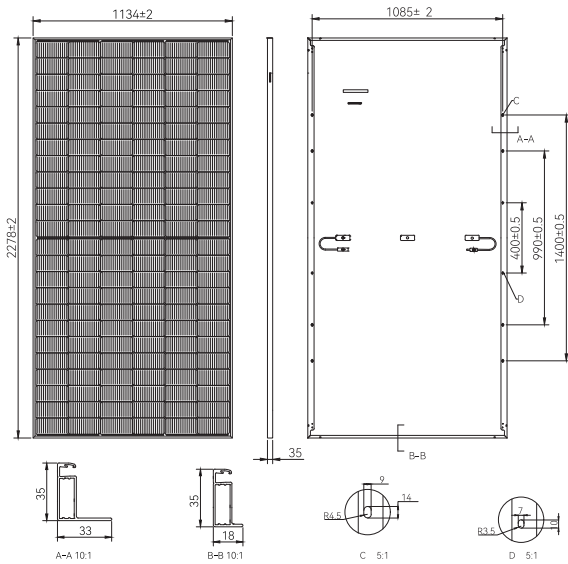
72HS585-605W

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Drawing (Unit: mm)



Electrical Characteristics (STC)

Modul type: TWMND-72HSXXX					
Maximum Power: Pmax [W]	585	590	595	600	605
Open Circuit Voltage: Voc [V]	53.00	53.20	53.40	53.58	53.76
Short Circuit Current: Isc [A]	13.54	13.58	13.95	14.00	14.05
Voltage at Maximum Power: Vmp [V]	45.23	45.43	45.60	45.78	45.96
Current at Maximum Power: Imp [A]	12.94	13.00	13.05	13.11	13.17
Module Efficiency: η [%]	22.6	22.8	23.0	23.2	23.4

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Electrical Characteristics (NMOT)

Maximum Power: Pmax [W]	442.7	446.5	450.3	454.1	457.9
Open Circuit Voltage: Voc [V]	50.41	50.60	50.79	50.96	51.13
Short Circuit Current: Isc [A]	10.66	10.69	10.98	11.02	11.06
Voltage at Maximum Power: Vmp [V]	43.54	43.73	43.89	44.07	44.24
Current at Maximum Power: Imp [A]	10.16	10.21	10.24	10.30	10.34

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

Temperature Rating

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

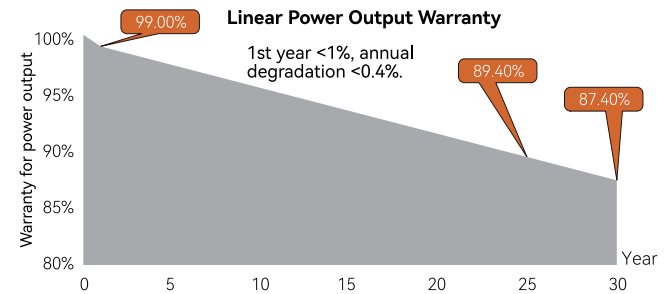
Operating Parameters

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

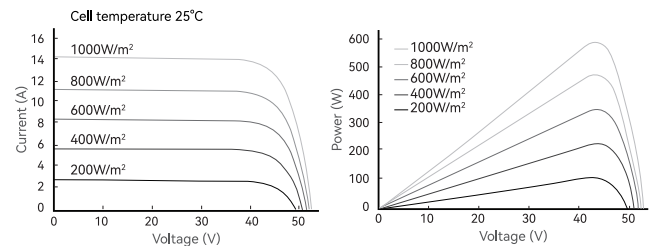
Mechanical Parameters

Cells	TNC(N Type Monocrystalline Cell)
Cell Orientation	144[6×24]
Dimension	2278±2×1134±2×35mm
Weight	27.0kg
Front Glass	3.2mm AR coated heat strengthened 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)

