

High Power Output  
Low LCOE



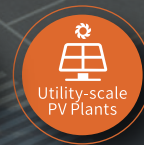
Maximum Power  
565W+



# TWMPD

P-type Half-cell  
Monofacial Module (72)

## 72HS545-565W



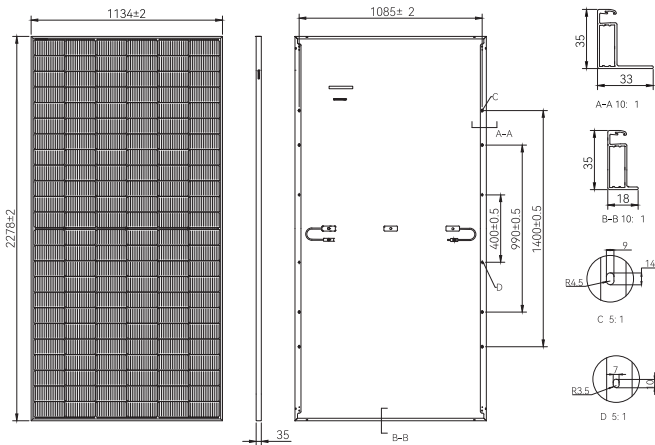
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**DRAWINGS (Unit: mm)**



**MECHANICAL PARAMETERS**

Cells	TPC (P Type Monocrystalline Cell)
Cell Orientation	144[6×24]
Dimension	2278±2×1134±2×35mm
Weight	27.0kg
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 <sup>2</sup>
Cable Length	+400mm, -200mm or ±1400mm, length can be customized
Wind/Snow Load	2400Pa/5400Pa
Packaging	31pcs per pallet, 620pcs per 40'HC

**ELECTRICAL CHARACTERISTICS (STC)**

Module Type: TWMPD-72HSXXX					
Maximum Power: Pmax [W]	545	550	555	560	565
Open Circuit Voltage: Voc [V]	49.71	49.91	50.11	50.31	50.51
Short Circuit Current: Isc [A]	13.88	13.92	13.96	14.00	14.04
Voltage at Maximum Power: Vmp [V]	41.05	41.25	41.45	41.65	41.85
Current at Maximum Power: Imp [A]	13.28	13.33	13.39	13.45	13.51
Module Efficiency: η [%]	21.1	21.3	21.5	21.7	21.9

\* STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass1.5, Measuring Tolerance: ±3%

**ELECTRICAL CHARACTERISTICS (NMOT)**

Maximum Power: Pmax [W]	412.4	416.2	420.0	423.8	427.6
Open Circuit Voltage: Voc [V]	47.18	47.40	47.62	47.85	48.04
Short Circuit Current: Isc [A]	10.94	10.97	10.99	11.02	11.05
Voltage at Maximum Power: Vmp [V]	39.28	39.55	39.82	40.09	40.28
Current at Maximum Power: Imp [A]	10.50	10.52	10.55	10.57	10.61

\* NMOT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

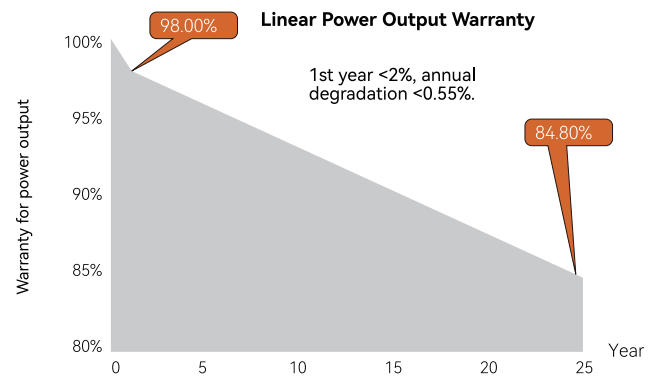
**TEMPERATURE PARAMETERS**

Temperature Coefficient (Pmax)	-0.33%/°C
Temperature Coefficient (Voc)	-0.27%/°C
Temperature Coefficient (Isc)	+0.05%/°C
NMOT	45±2°C

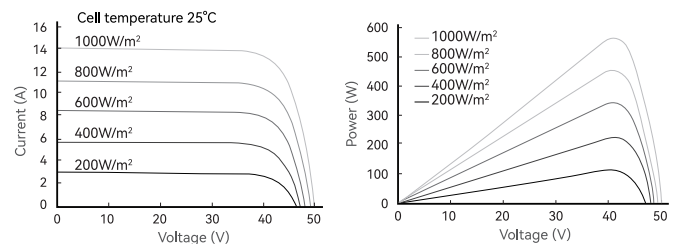
**MAXIMUM RATINGS**

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

**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)

