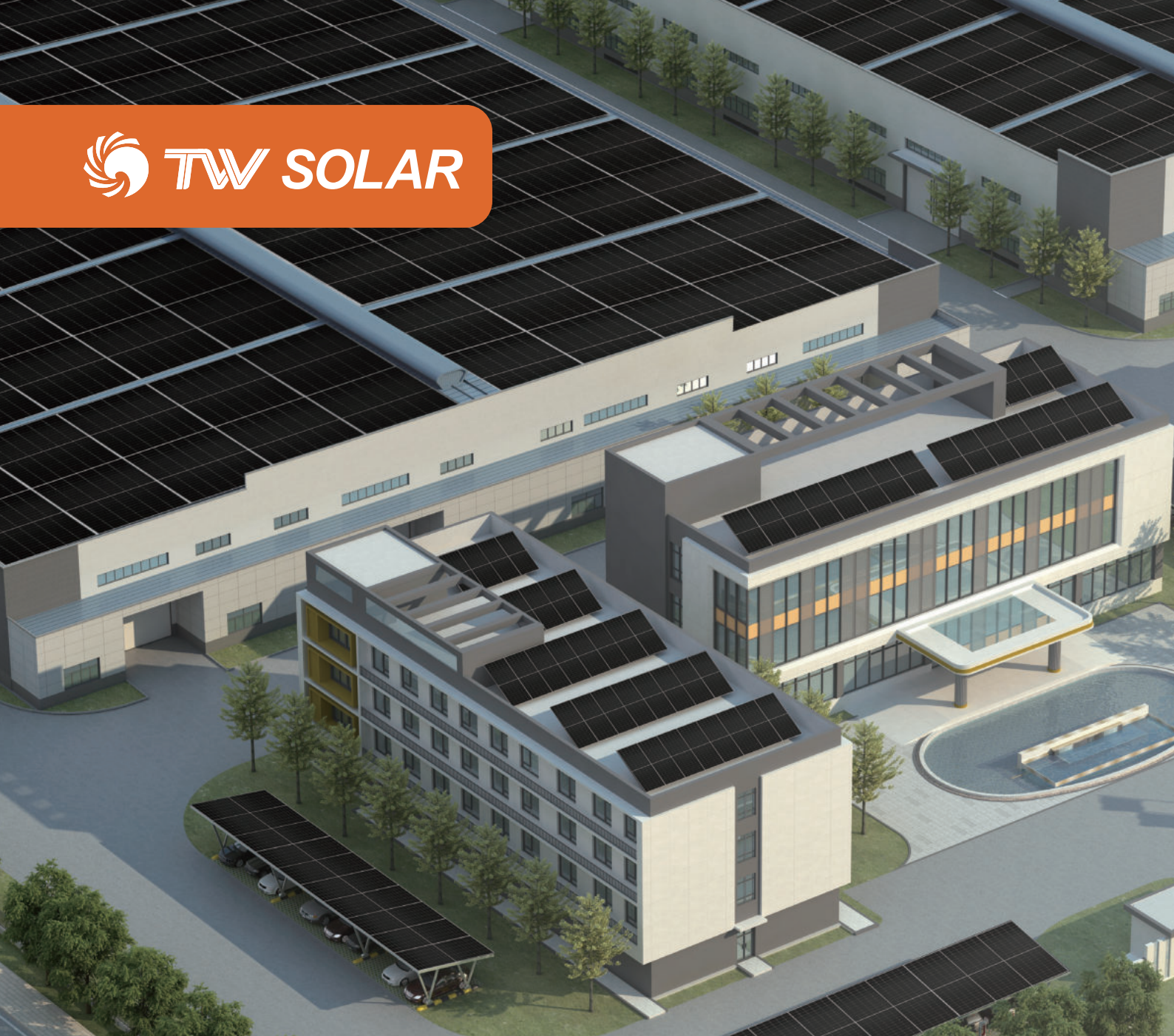




High Power Output
Low LCOE



Maximum Power
565W+

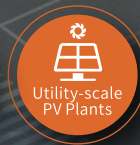


TWMPD

P-type Half-cell
Bifacial Module (72)

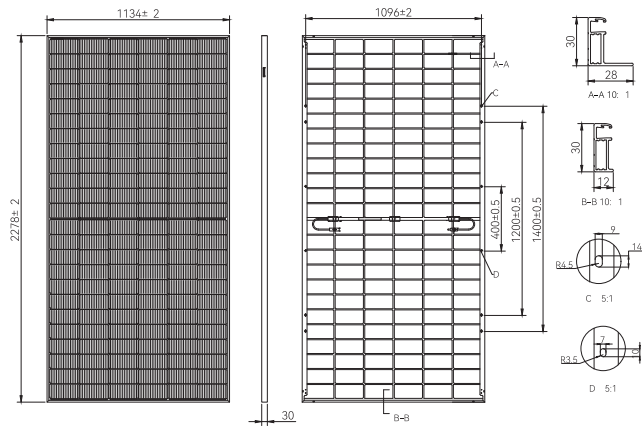
72HD545-565W

en.tongwei.com.cn



Learn More

DRAWINGS (Unit: mm)



ELECTRICAL CHARACTERISTICS (STC)

Module Type: TWMPD-72HDXXX					
Maximum Power: Pmax [W]	545	550	555	560	565
Open Circuit Voltage: Voc [V]	49.90	50.10	50.30	50.50	50.70
Short Circuit Current: Isc [A]	13.83	13.88	13.93	13.98	14.03
Voltage at Maximum Power: Vmp [V]	41.76	41.96	42.16	42.36	42.56
Current at Maximum Power: Imp [A]	13.05	13.11	13.17	13.23	13.29
Module Efficiency: η [%]	21.1	21.3	21.5	21.7	21.9

* STC: Irradiance 1000W/m², 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]	46.74	47.01	47.28	47.47	47.66
Short Circuit Current: Isc [A]	11.08	11.12	11.16	11.20	11.24
Voltage at Maximum Power: Vmp [V]	38.67	38.90	39.12	39.31	39.49
Current at Maximum Power: Imp [A]	10.66	10.70	10.74	10.79	10.83

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

ELECTRICAL CHARACTERISTICS (Rear Power Gain)

5%	Maximum Power: Pmax [W]	572.3	577.5	582.8	588.0	593.3
	Module Efficiency: η [%]	22.2	22.4	22.6	22.8	23.0
15%	Maximum Power: Pmax [W]	626.8	632.5	638.3	644.0	649.8
	Module Efficiency: η [%]	24.3	24.5	24.7	24.9	25.2
25%	Maximum Power: Pmax [W]	681.3	687.5	693.8	700.0	706.3
	Module Efficiency: η [%]	26.4	26.6	26.9	27.1	27.3

TEMPERATURE PARAMETERS

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

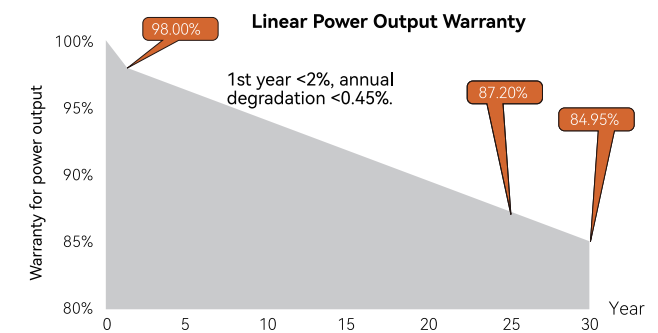
MAXIMUM RATINGS

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Power Output Tolerance	0~+3%
Bifaciality	70±5%

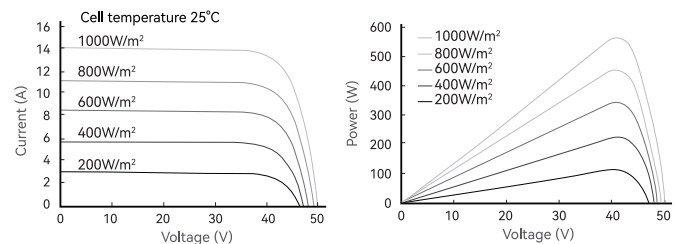
MECHANICAL PARAMETERS

Cells	TPC (P Type Monocrystalline Cell)
Cell Orientation	144[6×24]
Dimension	2278±2×1134±2×30mm
Weight	31.5kg
Front Glass	2.0 mm AR coated heat strengthened glass
Rear Glass	2.0 mm heat strengthened glass
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	36pcs per pallet, 720pcs 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)

