

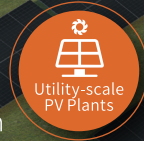


High Power Output Low LCOE	
Maximum Power 680W+	

# TWMPF

P-type Half-cell  
Monofacial Module (66)

## 66HS660-680W

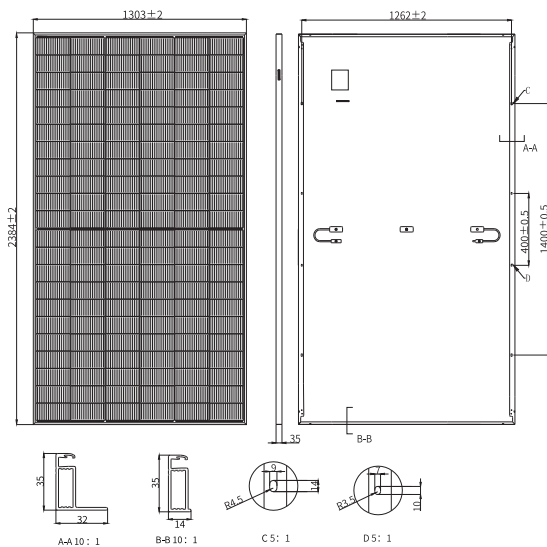


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**DRAWINGS (Unit: mm)**



**ELECTRICAL CHARACTERISTICS (STC)**

Module Type: TWMPF-66HSXXX	660	665	670	675	680
Maximum Power: Pmax [W]	660	665	670	675	680
Open Circuit Voltage: Voc [V]	45.60	45.80	46.00	46.20	46.40
Short Circuit Current: Isc [A]	18.55	18.60	18.65	18.70	18.75
Voltage at Maximum Power: Vmp [V]	37.80	38.00	38.20	38.40	38.60
Current at Maximum Power: Imp [A]	17.46	17.50	17.54	17.58	17.62
Module Efficiency: η [%]	21.2	21.4	21.6	21.7	21.9

**ELECTRICAL CHARACTERISTICS (NMOT)**

Maximum Power: Pmax [W]	499.4	503.1	506.9	510.7	514.5
Open Circuit Voltage: Voc [V]	42.96	43.14	43.33	43.52	43.71
Short Circuit Current: Isc [A]	14.96	15.00	15.04	15.08	15.12
Voltage at Maximum Power: Vmp [V]	35.26	35.45	35.64	35.83	36.01
Current at Maximum Power: Imp [A]	14.16	14.19	14.22	14.25	14.29

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

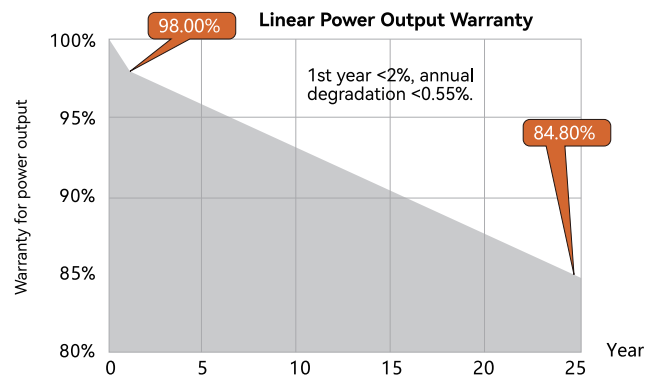
**MAXIMUM RATINGS**

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

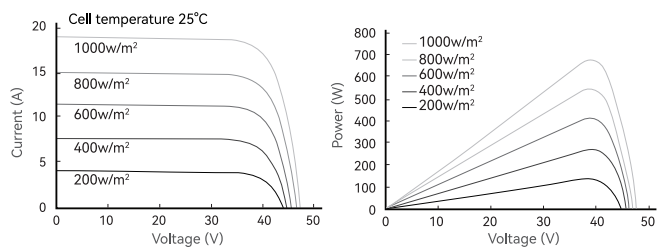
**MECHANICAL PARAMETERS**

Cells	TPC (P Type Monocrystalline Cell)
Cell Orientation	132[6X22]
Dimension	2384±2X1303±2X35mm
Weight	34.2kg
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, length can be customized
Wind/Snow Load	2400Pa/5400Pa
Packaging	31pcs per pallet, 558pcs 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 50001:2011 / energy management system  
IEC TS 62941—2016 / PV industry quality management system  
IEC 61215/61730, IEC 62804(PID), IEC 61701(Salt),  
IEC 62716 (Ammonia), IEC 60068-2-68(Sand)



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Declaration: With the technical progress and product updates, there exists a deviation between the technical parameter of the TW Solar's future products and the technical parameter in this specification. The TW Solar reserves the right to adjust the technical parameter at any time without notifying the customers. TW Solar reserves the final right of interpretation. (20230802\_A2)