

POLY TW340PW -72 Series Component Specifications

ELECTRICAL DATA (STC)										
Maximum Power-PMAX (Wp)	350	345	340	335	330	325	320	315	310	305
Maximum Power Voltage-VMPP (V)	350	345	340	335	330	325	320	315	310	305
Open Circuit Voltage-VOC (V)	46.1	46.0	45.9	45.8	45.7	45.6	45.5	45.4	45.3	45.2
Short Circuit Current-ISC (A)	9.68	9.6	9.52	9.44	9.36	9.28	9.20	9.12	9.04	8.96
Maximum Power Voltage-VMPP (V)	38.1	37.9	37.7	37.5	37.3	37.1	36.9	36.6	36.4	36.1
Maximum Power Current-IM (A)	9.19	9.10	9.02	8.91	8.83	8.75	8.67	8.60	8.52	8.45
Module Efficiency (%)	18.1	17.8	17.6	17.3	17	16.8	16.5	16.3	16.0	15.8
ELECTRICAL DATA (NOCT)										
Maximum Power-PMAX (Wp)	261	258	255	252	249	246	243	228	225	222
Open Circuit Voltage-VOC (V)	43.8	43.6	43.4	43.2	43.0	42.7	42.4	42.1	41.8	41.5
Short Circuit Current-ISC (A)	7.84	7.78	7.72	7.66	7.60	7.54	7.48	7.42	7.40	7.26
Maximum Power Voltage-VMPP (V)	35.4	35.2	35	34.8	34.6	34.4	33.6	33.4	33.2	33
Maximum Power Current-IM (A)	7.37	7.33	7.29	7.24	7.20	7.15	7.23	6.83	6.79	6.74

Description:

1. STC: Irradiance 1000W / m²; AM 1.5; Ambient temperature 25 °C; Test according to EN 60904-3;
2. NOCT: Irradiance 800W / m²; Wind speed 1 m / s; Battery temperature 45 °C; Ambient temperature 20 °C.
3. Pm Tolerance: 0 ~ + 5%, Power Test Uncertainty: ± 3%. ± 5% of test tolerance for Voc [V], Isc [A], Vm [V] and Im [A].

MECHANICAL DATA

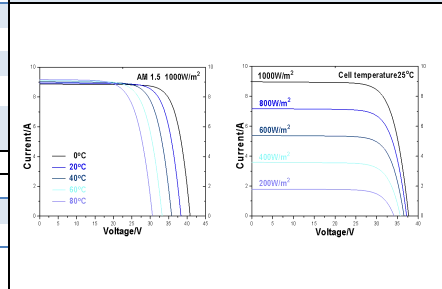
Module Dimensions	1656×990×40 mm (L×W×H)
Weight	27.5 kg
Glass	Ultra-white embossed steel, 4.0 mm
Packaging materials	EVA
Solar Cells	Multicrystalline 156.75 × 156.75 mm (6 inches), 6×12
Backsheet	High weather resistance composite membrane
Frame	Anodized Aluminium Alloy
J-Box	13A, IP67, TUV&UL
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), 1000 mm (39.4 inches)
Connector	MC4 compatible

TEMPERATURE RATINGS

NOCT	45°C (±2°C)
Temperature Coefficient of VOC	-0.33%/°C
Temperature Coefficient of ISC	0.052%/°C
Temperature Coefficient of PMAX	-0.43%/°C

MAXIMUM RATINGS

Maximum System Voltage	DC 1500/1000(IEC); DC 1000(UL)
Max Series Fuse Rating	20
Maxi positive static load [Pa]	5,400
Operational Temperature	- 40 to + 85
Resist hail performance	max diameter45 mm Impact speed 30.7 m-s-1

I-V CURVES

OTHER DATA

Package	26 pieces / box; 624 pieces / 40 'cabinet ; 832 pieces / car
Warranty	10 years of product material and process warranty 25 year linear power output warranty

BLUEPRINT

