TWxxx(26)P Series
Polycrystalline Silicon PV Module

Product Specification
(54 pcs Multi 156×156 mm Cells,With Tongling J-box1000 V System Voltage)

Typical Electrical Characteristics

Typical Type	Unit	Tw180 (26) P	PTW185 (26) P	Tw190 (26) P	Tw195 (26) P	Tw200 (26) P	Tw205 (26) P	Tw210 (26) P	Tw215 (26) P
Max-Power	P_m (W)	180	185	190	195	200	205	210	215
Power Tolerance	%	0 ~ +5w					0 ~ +5w		
Max-Power Voltage	V_m (V)	25.6	25.7	25.8	26.2	26.5	26.7	26.9	27.0
Max-Power Current	I_m (A)	7.03	7.20	7.36	7.44	7.55	7.68	7.81	7.96
Open-Circuit Voltage	V_{oc} (V)	32.6	32.7	32.8	33.0	33.1	33.4	33.6	33.9
Short-Circuit Current	I_{sc} (A)	7.57	7.75	7.94	8.05	8.16	8.25	8.35	8.49
Encapsulated Cell Efficiency	η_c (%)	14.00%	14.25%	14.75%	15.25%	15.50%	16.00%	16.25%	16.75%
Module Efficiency	η_m (%)	12.10%	12.44%	12.77%	13.11%	13.45%	13.78%	14.12%	14.45%
Test Condition		STC:AM=1.5, 1000W / m², Cells Temperature 25 ℃					STC:AM=1.5, 1000W / m², Cells Temperature 25 ℃		

CONSTRUCTION MATERIALS

Front cover (material/type/thickness)	Low iron tempered glass 3.2mm
Cell (quantity/material/type/dimensions)	54 (6×9) / Multicrystalline / 156 mm×156 mm
Encapsulant (material)	EVA
Frame (material/color/anodization color)	Anodized aluminum alloy / sliver / clear
Junction box (protection degree)	Ip65 & IP67
Cable (length/cross-section area)	1100 mm / 4 mm²

MECHANICAL CHARACTERISTICS

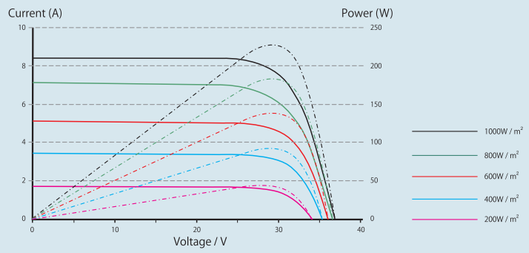
Dimension (L×W×H)	1495 mm×995 mm×45 mm
Installation Hole Dimension	715 mm×945 mm
Weight	19 kg
Packing Configuration	20 pcs / carton
Quantity/Pallet	1 carton/pallet
Loading Capacity	560 pcs / 40 ft or 280 pcs / 20 ft

OPERATING CONDITIONS

Max. system voltage	Dc1000 V (TUV)
Max. series fuse rating	15 A
Limiting reverse current	Do not apply external voltages large than Voc of the module
Operating temperature range	-40 ℃~+85 ℃
Max. static load, front(snow & wind)	5400 Pa
Max. static load, back(wind)	2400 Pa
Max. hailstone impact(diameter/velocity)	25 mm / 23 m / s

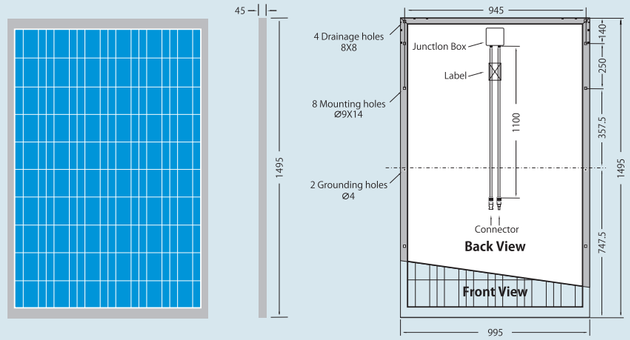
CERTIFICATIONS

TW230(26)P Module IV Curves



THERMAL CHARACTERISTICS

Nominal operating temperature	47±2 ℃
Temperature coefficient of Pmax	-0.44% / ℃
Temperature coefficient of Voc	-0.34% / ℃
Temperature coefficient of Isc	0.06% / ℃



WARRANTY

Manufacturing: 10 years

Power Output:

- Within the first one year, the output power shall not degrade more than 2%
- Within the first two years, the output shall not degrade more than 3%
- In the following 23 years, the average annual power degradation shall not exceed more than 0.7%

50+25
History + Quality assurance