

TWxxxL60-FA

Polycrystalline Silicon PV Module

Product Specification

(60pcs Griffin156×156mm Cells,With Tongling J-box1000V System Voltage)

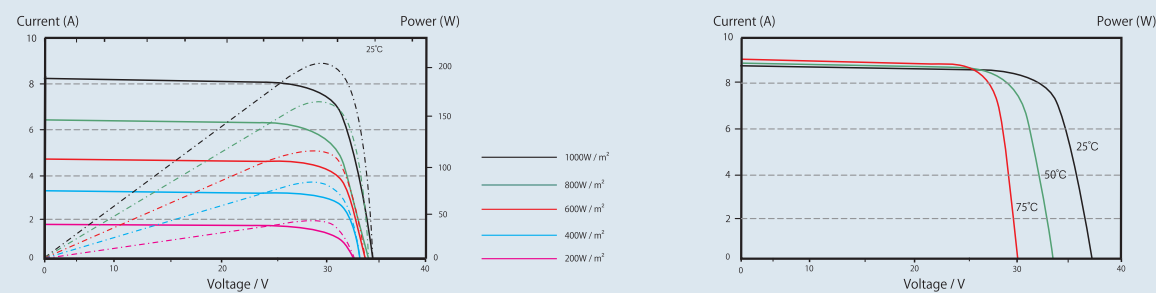
Typical Electrical Characteristics

Typical Type	Unit	TW240L60-FA	TW245L60-FA	TW250L60-FA	TW255L60-FA
Max-Power	P_m (W)	240	245	250	255
Power Tolerance	W	0 ~ + 5		0 ~ + 5	
Max-Power Voltage	V_m (V)	29.7	29.9	30.1	30.3
Max-Power Current	I_m (A)	8.09	8.20	8.31	8.42
Open-Circuit Voltage	V_{oc} (V)	37.4	37.6	37.9	38.2
Short-Circuit Current	I_{sc} (A)	8.72	8.73	8.76	8.78
Encapsulated Cell Efficiency	η_c (%)	16.50	17.00	17.25	17.50
Module Efficiency	η_m (%)	14.76	15.06	15.37	15.68
Test Condition		STC:AM=1.5, 1000W / m ² , Cells Temperature 25°C		STC:AM=1.5, 1000W / m ² , Cells Temperature 25°C	
Operating temperature range		- 40°C ~ + 85°C		- 40°C ~ + 85°C	

MECHANICAL CHARACTERISTICS

Dimension(L×W×H)	1640mm×992mm×40mm	Encapsulant (material)	EVA
Installation Hole Dimension	860mm×942mm	Frame(material/color/anodizationcolor)	Anodized aluminum alloy/ silver/clear
Weight	19.5kg	Junction box(Protection degree)	Ip65 & Ip67
Front cover (material/type/thickness)	Low iron tempered glass 3.2mm	Cable (length/cross-section area)	1100 mm/4 mm ²
Cell(quantity/material/type/dimensions)	60(10x6)/Multicrystalline/ 156×156(mm)		

I-V Curves of TW235L60-FA at different irradiance

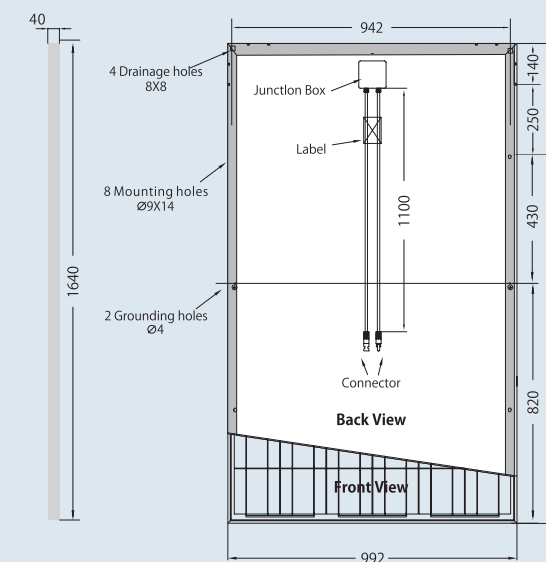
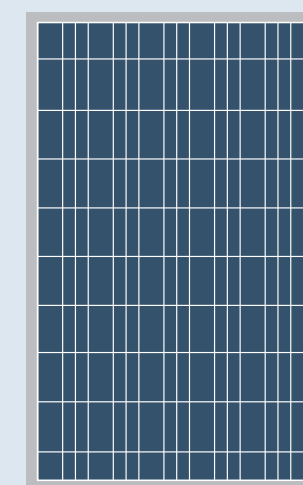


WARRANTY

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%



PACKAGING

Container	20Ft (pcs)	40Ft (pcs)	40Hft (pcs)
Modules/pallet	23	23	26
Loading Capacity	276	644	728