

ES8-85W-P6-G

EdgeTech
SOLAR
INTERNATIONAL Ltd.



Features

Junction Box

Medium sized waterproof junction box made of PPO, without cable.

Diodes

2 pcs of 12A bypass diodes included

Construction

Front: High-transmission tempered glass, 3.2 mm in thickness
Back: Tedlar, encapsulation: EVA

Frame

Clear anodized aluminum alloy 6063-T6 frame,
World class design in silver.

EdgeTech Solar photovoltaic modules are produced in a ISO9001 qualified factory using the highest quality materials and excellent quality control. Each module must undergo an extensive series of performance tests putting the module under extreme electrical and mechanical conditions to assure each module meets or exceeds specifications for many years of reliable performance even in the most challenging of environments.

QUALITY COMPONENTS

HIGH PERFORMANCE

RELIABLE

DURABLE

25 YEAR WARRANTY

On the Edge of Today's
Energy Technology



ES8-85W-P6-G

ELECTRICAL CHARACTERISTICS

Type of Module	Poly	crystalline
Maximum Power Rating (Pmpp)	85	Watts
Maximum Power Tolerance ±	3	%
Open Circuit Voltage (Voc)	21.75	Volts
Short Circuit Current (Isc)	5.08	Amps
Maximum Voltage Power (Vmpp)	18.01	Volts
Maximum Current Power (Impp)	4.72	Amps
Efficiency Rating	11.8	%
Nominal Voltage	12	Volts

MECHANICAL CHARACTERISTICS

Dimensions	1058 x 680 x 33.8 mm		
Weight	11.30 kg		
Solar Cells - Cell Size - Matrix	36	156x104mm	4x9
Packing	36pcs/1 pallet		
Container Loading Capacity	540pcs/20ft	1152pcs/40ft	

TEMPERATURE RANGE

Temperature Range	- 40° C to 85° C
Damp Heat	85% RH
Static Load Front and Back	2400 pascals
Front Loading	5400 pascals
Hail Impact	25mm steel ball at 23m/s

TEMPERATURE COEFFICIENTS

Open Circuit Voltage	mV/°C	-79.56
Short Circuit Current	mA/°C	+2.17
Nominal Power	%/°C	-0.34 %

WARRANTY

Workmanship & Product Warranty	5 years
Power Output Warranty 12 years	90% Power
Power Output Warranty 25 years	80% Power

CERTIFICATIONS

TUV UL IEC CE RoHS ISO



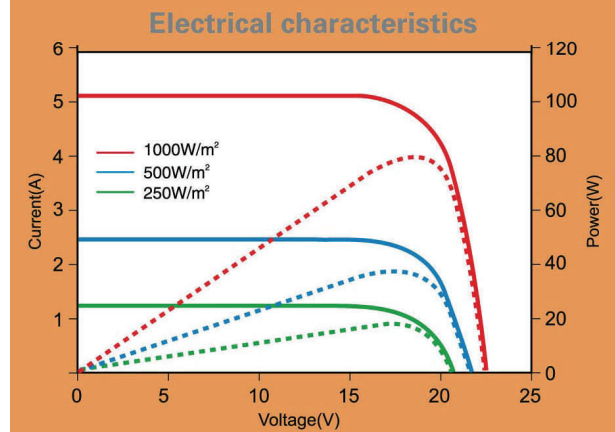
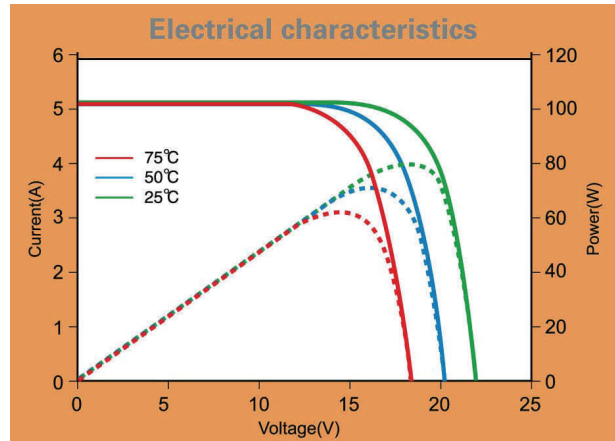
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IV CURVES



At STC(Standard Test Conditions).1000W/m²,
25°C cell temperature, AM1.5 spectrum

DIMENSIONS

