

ES4-175WP

EdgeTech
SOLAR
INTERNATIONAL Ltd.



Features

3 Bypass diodes minimizes the power drop by shade.

High conversion efficiency of solar cell.

White tempered glass, EVA resin, weather proof film and anodized aluminum frame provide efficient protection from the severest environmental conditions.

Perfect for grid applications.

Product guarantee 5 years.

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



ES4-175WP

ELECTRICAL CHARACTERISTICS

Type of Module	Mono crystalline
Maximum Power Rating (Pmax)	175 Watts
Maximum Power Tolerance ±	3 %
Open-Circuit Voltage (Voc)	43.60 Volts
Short-Circuit Current (Isc)	5.34 Amps
Maximum Power Voltage (Vmp)	35.80 Volts
Maximum Power Current (Imp)	4.88 Amps
Diodes	3 By-pass
Length of Cable	900 mm
Maximum System Voltage	1000 Volts DC
Temperature Range	-40 to 85 °C
Surface Maximum Load Capacity	60 m/s Wind

MECHANICAL CHARACTERISTICS

Dimensions	1580x808x35 mm
Weight	15.30 kg
Packing	4 pcs/1 carton
Loading Capacity Container	380 Pcs / 20ft

WARRANTY

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

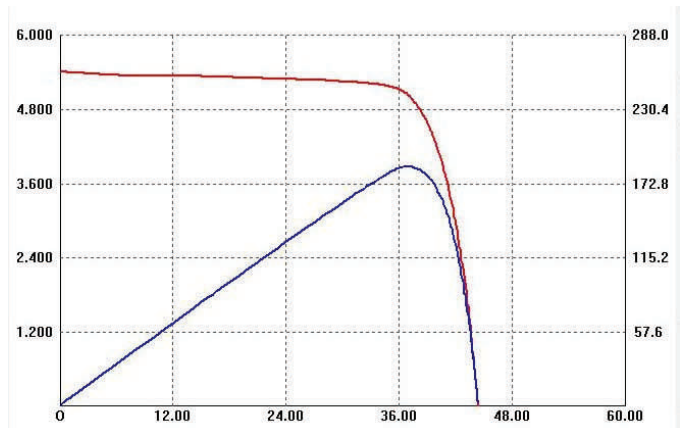
CERTIFICATIONS

ISO TUV UL



IV CURVES

Current-Voltage characteristics of cells at various irradiance levels



QUALITY ASSURANCE TESTS

- Electrical Insulation
- Outdoor Exposure
- Hot-Spot Endurance
- UV-Exposure
- Thermal Cycling
- Humidity Freeze
- Damp Heat
- Robustness of Terminations
- Wet Leakage Current
- Mechanical Load
- Hail Impact
- Bypass Diode Thermal



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