

ES3-50-6P

EdgeTech
SOLAR
INTERNATIONAL Ltd.



Features

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 off-grid applications.

Optional Feature: OLPC Laptop compatible XO connector and cable.

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

20 YEAR WARRANTY

On the Edge of Today's
Energy Technology



ES3-50-6P

ELECTRICAL CHARACTERISTICS

Type of Module	Poly crystalline
Maximum Power Rating (Pmax)	50 Watts
Maximum Power Tolerance ±	3 %
Open-Circuit Voltage (Voc)	21.6 Volts
Short-Circuit Current (Isc)	3.22 Amps
Maximum Power Voltage (Vmp)	17.5 Volts
Maximum Power Current (Imp)	2.86 Amps
Fuse Rating	10 Amps
Junction Box	IP65 Type
Maximum System Voltage	600 Volts DC
Temperature Range	-40 to 85 °C
Nominal Voltage	12 Volts

TEMPERATURE COEFFICIENTS

Short-Circuit Current Temp Coefficient	+0.10 mA/°C
Open-Circuit Voltage Temp Coefficient	-0.380 V/°C
Maximum Power Temp Coefficient	-0.470 %/°C

MECHANICAL CHARACTERISTICS

Dimensions	835 x 535 x 35 mm
Weight	5.5 kg
Surface Max Load Capacity	60m/s(200kg/sq.m)
Allowable Hail Load	225g steel ball 1m
Packing	5 pcs per carton
Container Loading Capacity	700pcs/20ft 1500pcs/40ft

WARRANTY

Workmanship & Product Warranty	2 years
Power Output Warranty 20 years	80% Power

CERTIFICATIONS

ISO9001



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DIMENSIONS

