

# ES8-100W-A-Si

EdgeTech  
**SOLAR**  
INTERNATIONAL Ltd.



## 5 Reasons to choose A-Si Thin Film modules

No material storage concern

High power accumulation

Low selling price of PV module

Semi-transparent for see-through

Potential application in BIPV

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



# ES8-100W-A-Si

## ELECTRICAL CHARACTERISTICS

Type of Module	A-Si	Thin Film
Maximum Power Rating (Pmax)	100	Watts
Maximum Power Tolerance $\pm$	5	%
Open Circuit Voltage (Voc)	101	Volts
Short Circuit Current (Isc)	1.65	Amps
Voltage Power Maximum (Vpm)	75	Volts
Current Power Maximum (Ipm)	1.33	Amps

## MECHANICAL CHARACTERISTICS

Dimensions	1416 x 1116 x 35.3 mm
Weight	24 kg
Connector	MC

## TEMPERATURE COEFFICIENTS

Nominal Power	- 0.22% / ° C
Open Circuit Voltage	- 0.33% / ° C
Short Circuit Current	- 0.08% / ° C

## 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



## A-Si Thin Film



A-Si modules with high conversion efficiency, high power output, and high voltage are most suitable for grid-connected systems.

The outstanding light absorption (cumulating more energy through a year) and low temperature coefficient (less affected when temperature goes up) characteristics of a A-Si thin film provide standard modules the excellent performance-to-cost ratio.

Standard modules are encapsulated with certified back sheet (glass-to-glass encapsulation is available by option) and other weather-proof components to perform stability in all environments.

High quality junction boxes are used to ensure easy installation and stable performance.



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