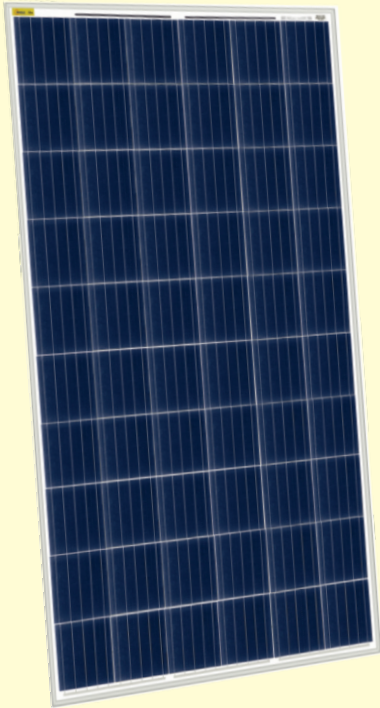


# SOLAR PANEL

**60, 100, 160W / 12V**  
**265, 335W / 24V**



## Back view



As the world's leading solar product company and provider of smart solar energy solutions, Eastman is the active contributor in shaping the solar revolution. We offer world-class and affordable solar energy products at even the remotest locations making solar energy affordable and available for everyone.

We are the largest solar module supplier across the globe and have pushed the Solar industry forward by manufacturing high-efficiency module and comprehensive electronic procurement construction solutions. As you start your solar journey with us, you'll turn your global footprint into a step towards the clean, green and sustainable future.

## KEY FEATURES



### Positive tolerance

Guaranteed tolerance +3%  
Reliable power output



### High module efficiency

Module Efficiency up to  
17.51%



### Strong Compressive Strength

Certified to withstand high wind of  
2400Pa And snow loads of 5400 Pa



### Fire test approved

Application class A, Safety Class II,  
Fire rating C



### Excellent performance under Extreme condition

High salt mist & ammonia resistance



### Reliable quality forever

Without potential induced  
Degradation (PID-free)



They have the best quality solar cells which make the solar panels highly efficient. The cells are laminated between UV resistance polymer (EVA) and high transmission toughen glass surface, which helps in extended the life of solar panels and lessen the power degradation.

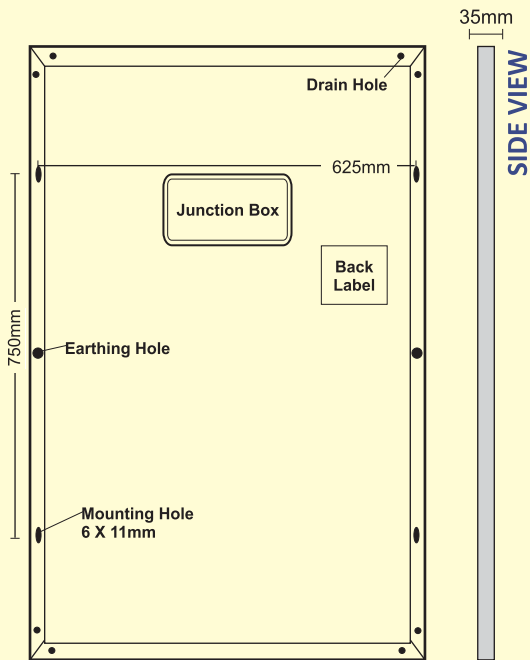


They are able to withstand extreme and harsh weather conditions and have a long life.

## FEATURES

- 1 maximum power generation to help you make more solar money
- 2 shock resistance thick iron glass to help you cut down on solar wastage.
- 3 high grade solar cells to give you long lasting solar panels.
- 4 best qualities raw material to give you best performance even in extreme weather conditions
- 5 anodized aluminum frame gives freedom from maintenance.

### Dimensions (in mm)



# SOLAR PV MODULE 160W

## Technical Data

### PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)

(irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C.)

Nominal Maximum Power (Pmax)	160W
Optimum Operating Voltage (Vmp)	19.08
Optimum Operating Current (Imp)	8.42
Open Circuit Voltage (Voc)	22.68
Short Circuit Current (Isc)	8.87
Module Eff(%)	16.2

### Mechanical Specifications

Dimensions (Length in mm)	1485
Dimensions (W X T in mm)	665x35
Weight(kg)	10.780
No Of Cell	36
Cell Arrangement	9x4
Front Cover (Tempered Glass)	3.2mm
Encapsulate	EVA
Back Cover	Backsheet
Junction Box with Bypass diode	2
Application Class Rating	Class A
Safety Class Rating	Class II
Mounting Holes Pitch (Y)-mm	750
Mounting Holes Pitch (X)-mm	625

### TEMPERATURE COEFFICIENTS

Current Temperature Coefficients $\alpha(Isc)$ :	0.021%/°C
Voltage Temperature Coefficients $\beta(Voc)$ :	-0.291%/°C
Power Temperature Coefficients $\gamma(Pmax)$ :	-0.397%/°C

### MAXIMUM OPERATING CONDITIONS

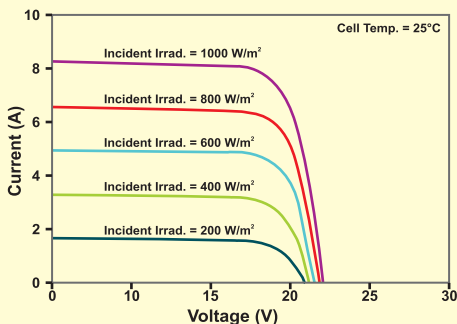
Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000V
Maximum Series Fuse Rating:	20A

**Caution:** Please read safety and installation instructions before using the product.

**\*Warranty:** Linear power warranty for 25 years with 2.5% for 1st year degradation and 0.67% from year 2 to year 25. Please read Eastman warranty documents thoroughly.

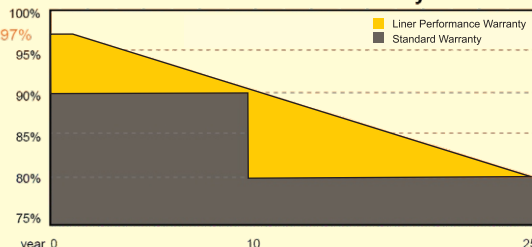
**Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. Eastman Auto And Power Ltd. reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.

### I-V Curve



### Liner Power Performance Warranty

#### 25-Year Linear Performance Warranty



### Packing Dimensions (For Export)

Container	20' GP	40' HC
Pallet / Container	14	45
Modules / Container	630	1350