SOLAR PANEL

175W / 12V
200W, 290W, 350W / 24V

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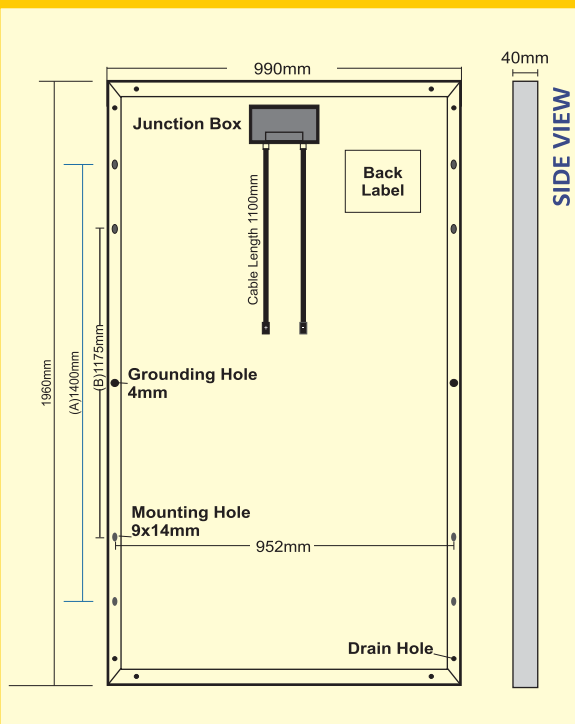
They are able to withstand extreme and harsh weather conditions and have a long life.

Back view

Cable

Junction Box

Connector

Aluminum Frame

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)

990mm

Junction Box

Back Label

Cable Length 1100mm

40mm

SIDE VIEW

Grounding Hole 4mm

Mounting Hole 9x14mm

952mm

1960mm

(A)1400mm

(B)1175mm

Drain Hole

I-V Curve

Incident Irrad. = 1000 W/m²   Cell Temp. = 25°C
Incident Irrad. = 800 W/m²
Incident Irrad. = 600 W/m²
Incident Irrad. = 400 W/m²
Incident Irrad. = 200 W/m²

Current (A)

Voltage (V)

Liner Power Performance Warranty

25-Year Linear Performance Warranty

Liner Performance Warranty
Standard Warranty

Packing Dimensions (For Export)

Container	20' GP	40' HC
Pallet / Container	10	24
Modules / Container	300	720

Eastman®
ENERGY. UNLIMITED.

SOLAR PV MODULE 350W

Technical Data

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)
(irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.)

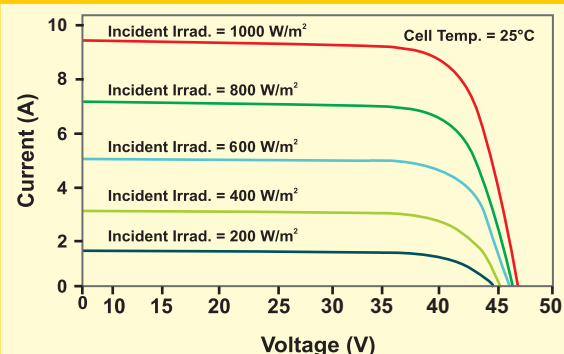|	
Nominal Maximum Power (Pmax)	350W
Optimum Operating Voltage (Vmp)	39.48
Optimum Operating Current (Imp)	8.87
Open Circuit Voltage (Voc)	46.94
Short Ciruit Current (Isc)	9.34
Module Eff(%)	18.03

PERFORMANCE UNDER NOCT
(NOCT irradiances of 800 W/m², ambient temperature of 20°C, Wind speed 1m/sec)

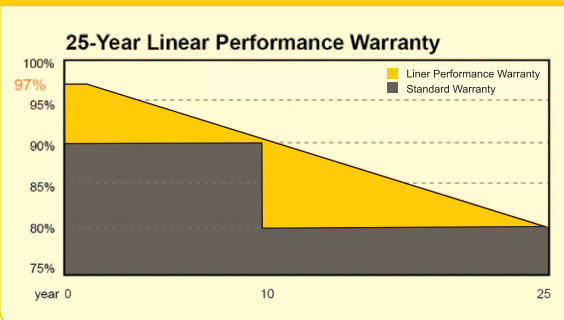|	
Nominal Maximum Power (Pmax)	262W
Optimum Operating Voltage (Vmp)	37.20
Optimum Operating Current (Imp)	7.05
Open Circuit Voltage (Voc)	46.00
Short Ciruit Current (Isc)	7.46

Mechanical Specifications

Dimensions (Length in mm)	1960
Dimensions (W X T in mm)	990X40
Weight(kg)	21.48
No Of Cell	72
Cell Arrangement	12X6
Front Cover (Tempered Glass)	3.2
Encapsulate	EVA
Back Cover	Backsheet
Junction Box with Bypass diode	3
Application Class Rating	Class A
Safety Class Rating	Class II
Mounting Holes Pitch (Y)-mm	(A)1400, (B)1175
Mounting Holes Pitch (X)-mm	952

TEMPERATURE COEFFICIENTS

Current Temperature Coefficients α(Isc) :	0.021%/Ċ
Voltage Temperature Coefficients β(Voc) :	-0.291%/Ċ
Power Temperature Coefficients ϒ(Pmax) :	-0.397%/Ċ

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40⁰C to +85⁰C
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.