

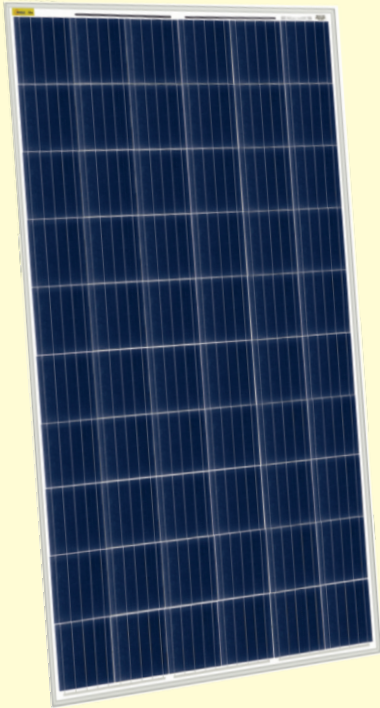


**POLYCRYSTALLINE SOLAR PANELS RANGE
FROM INDIA**

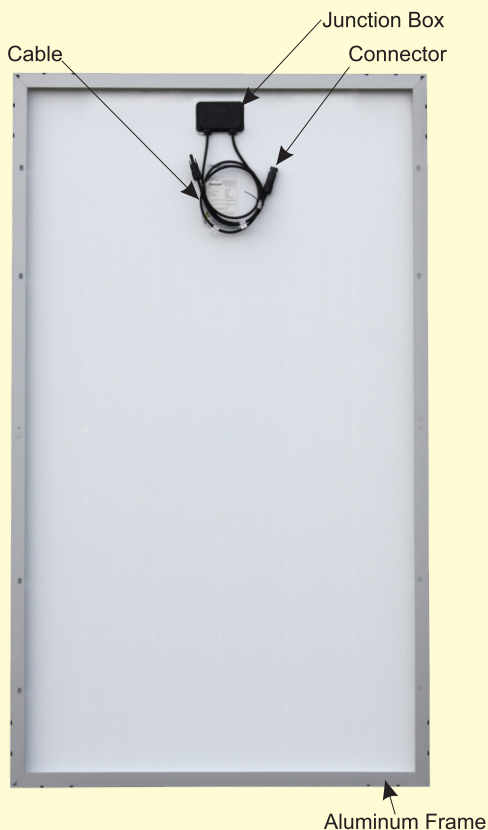
EPP60W, EPP100W, EPP160W, EPP265W, EPP335W
www.eaplworld.com

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.

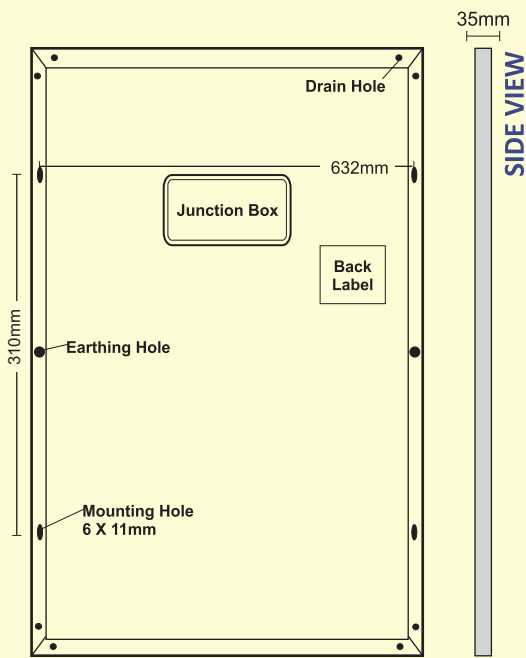


They are able to withstand extreme and harsh weather conditions and have a long life.

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 60W

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)	60W
Optimum Operating Voltage (Vmp)	19.00
Optimum Operating Current (Imp)	3.20
Open Circuit Voltage (Voc)	22.64
Short Circuit Current (Isc)	3.45
Module Eff(%)	14.40

Mechanical Specifications

Dimensions (Length in mm)	620
Dimensions (W X T in mm)	670X35
Weight(kg)	5.06
No Of Cell	36
Cell Arrangement	9X4
Front Cover (Tempered Glass)	3.2
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	310
Mounting Holes Pitch (X)-mm	632

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

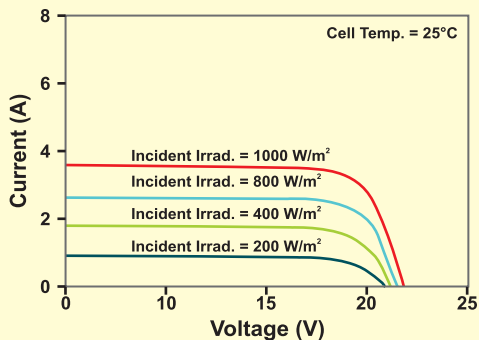
Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000V
Maximum Series Fuse Rating:	10A

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.

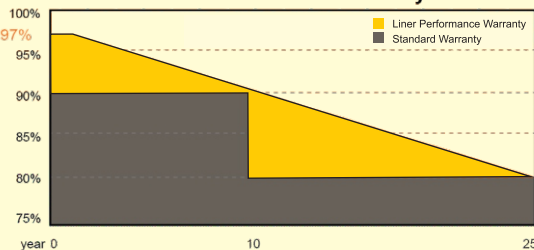
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I-V Curve



Liner Power Performance Warranty

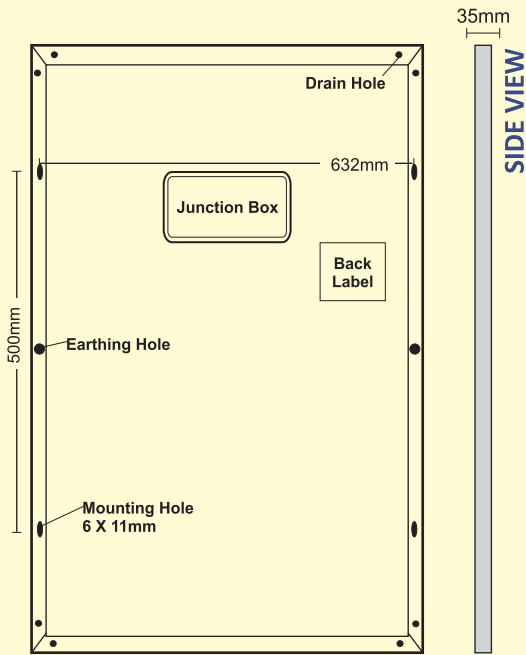
25-Year Linear Performance Warranty



Packing Dimensions (For Export)

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

Dimensions (in mm)



SOLAR PV MODULE 100W

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)	100W
Optimum Operating Voltage (Vmp)	19.00
Optimum Operating Current (Imp)	5.30
Open Circuit Voltage (Voc)	22.64
Short Circuit Current (Isc)	5.74
Module Eff(%)	15.0

Mechanical Specifications

Dimensions (Length in mm)	995
Dimensions (W X T in mm)	670x35
Weight(kg)	7.06
No Of Cell	36
Cell Arrangement	9x4
Front Cover (Tempered Glass)	3.2
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	500
Mounting Holes Pitch (X)-mm	632

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

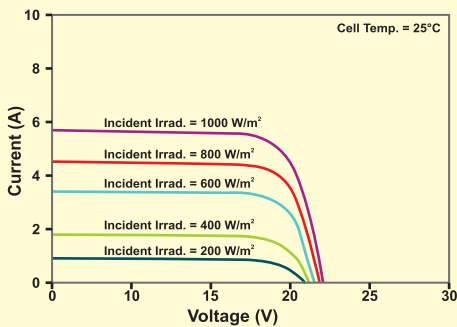
Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000V
Maximum Series Fuse Rating:	10A

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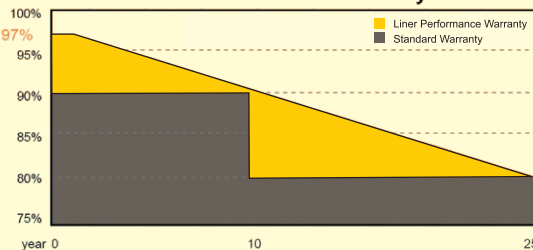
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I-V Curve



Liner Power Performance Warranty

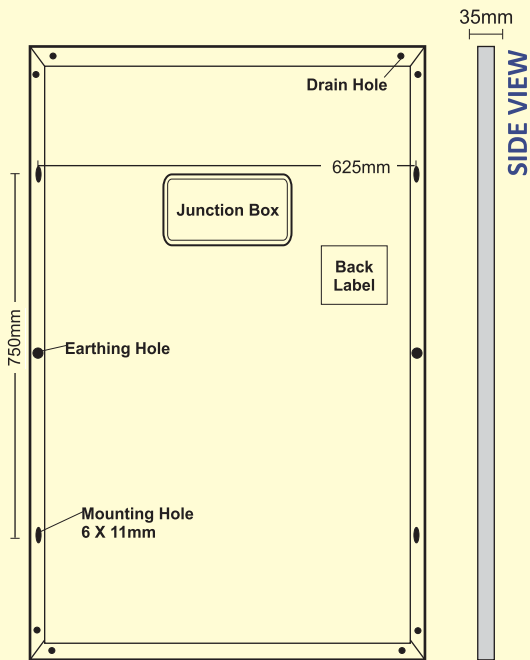
25-Year Linear Performance Warranty



Packing Dimensions (For Export)

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

Dimensions (in mm)



SOLAR PV MODULE 160W

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)	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

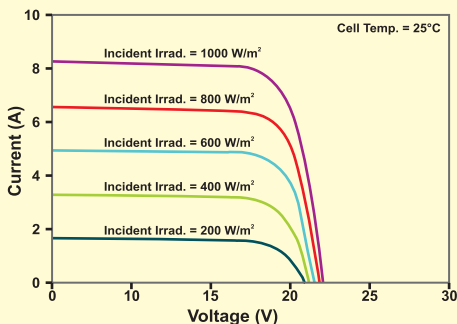
Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000V
Maximum Series Fuse Rating:	20A

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

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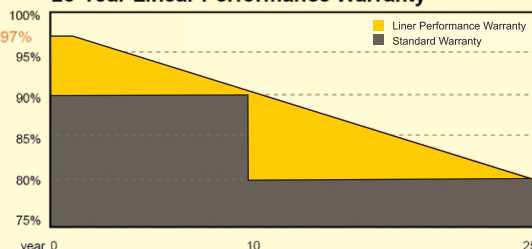
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I-V Curve



Liner Power Performance Warranty

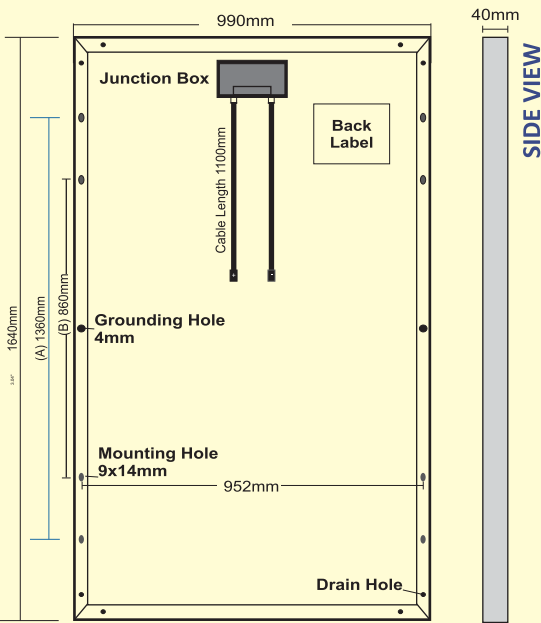
25-Year Linear Performance Warranty



Packing Dimensions (For Export)

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

Dimensions (in mm)



SOLAR PV MODULE 265W

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)	265W
Optimum Operating Voltage (Vmp)	30.92
Optimum Operating Current (Imp)	8.58
Open Circuit Voltage (Voc)	37.95
Short Circuit Current (Isc)	9.18
Module Eff(%)	16.30

PERFORMANCE UNDER NOCT

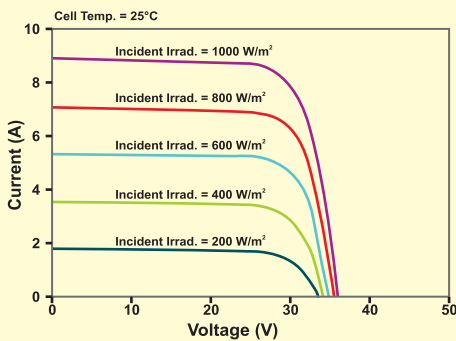
(NOCT irradiances of 800 W/m², ambient temperature of 20°C, Wind speed 1m/sec)

Nominal Maximum Power (Pmax)	192.36
Optimum Operating Voltage (Vmp)	29.18
Optimum Operating Current (Imp)	6.59
Open Circuit Voltage (Voc)	34.94
Short Circuit Current (Isc)	7.18

Mechanical Specifications

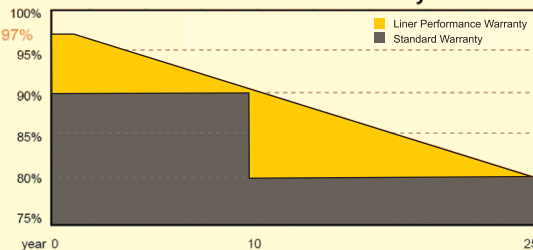
Dimensions (Length in mm)	1640
Dimensions (W X T in mm)	990x40
Weight(kg)	19.2
No Of Cell	60
Cell Arrangement	10x6
Front Cover (Tempered Glass)	3.2mm
Encapsulate	(EVA)
Back Cover	Backsheet
Junction Box with Bypass diode	4 terminal (IP68)
Application Class Rating	Class A
Safety Class Rating	Class II
Mounting Holes Pitch (Y)-mm	(A) 1360, (B) 860
Mounting Holes Pitch (X)-mm	952

I-V Curve



Liner Power Performance Warranty

25-Year Linear Performance Warranty



Packing Dimensions (For Export)

Container	20' GP	40' HC
Pallet / Container	14	28
Modules / Container	400	840

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

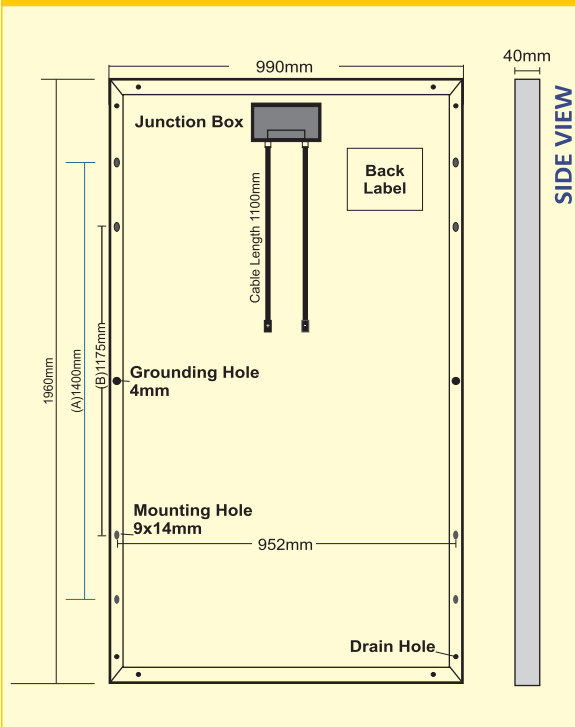
Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000V
Maximum Series Fuse Rating:	20A

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

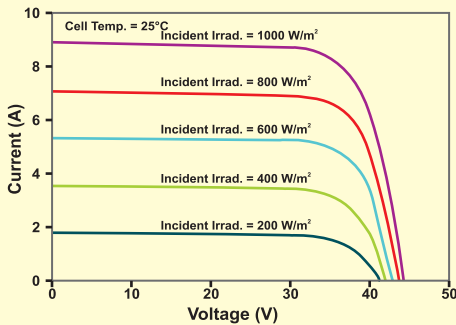
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Dimensions (in mm)

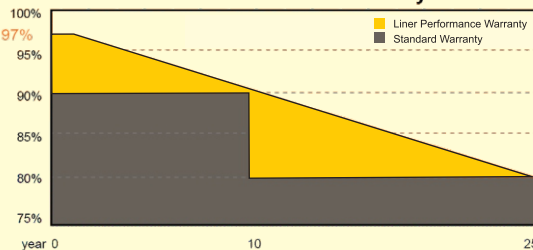


I-V Curve



Liner Power Performance Warranty

25-Year Linear Performance Warranty



Packing Dimensions (For Export)

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

SOLAR PV MODULE 335W

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)	335W
Optimum Operating Voltage (Vmp)	37.40
Optimum Operating Current (Imp)	8.96
Open Circuit Voltage (Voc)	45.80
Short Circuit Current (Isc)	9.54
Module Eff(%)	17.26

PERFORMANCE UNDER NOCT

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

Nominal Maximum Power (Pmax)	243.18
Optimum Operating Voltage (Vmp)	35.58
Optimum Operating Current (Imp)	6.84
Open Circuit Voltage (Voc)	42.59
Short Circuit Current (Isc)	7.29

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)	3.2mm
Encapsulate	(EVA)
Back Cover	Backsheet
Junction Box with Bypass diode	4 terminal (IP68)
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 $\alpha(Isc)$:	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

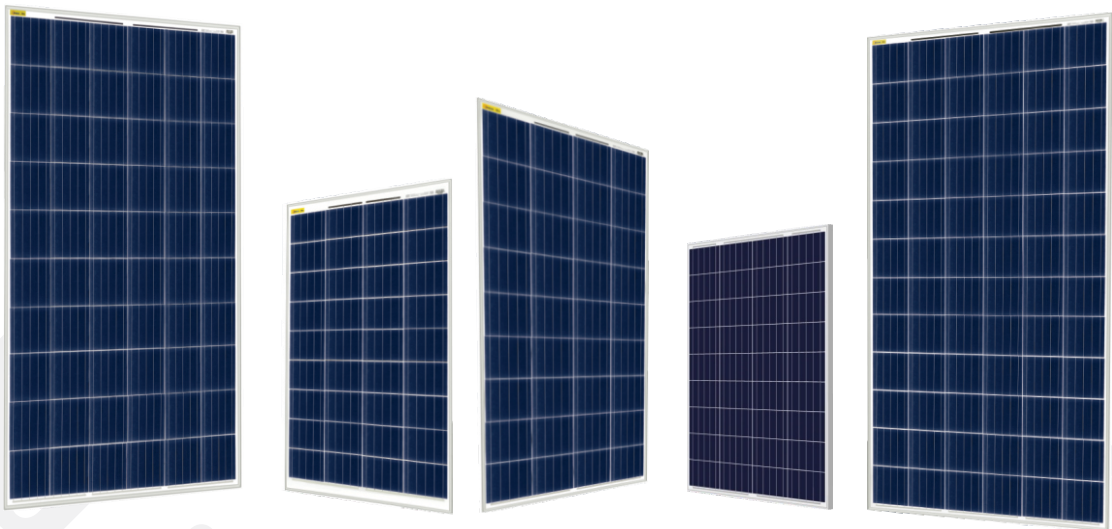
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SOLAR PV MODULES RANGE BY EASTMAN INDIA



EPP265W | EPP100W | EPP160W | EPP60W | EPP335W

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