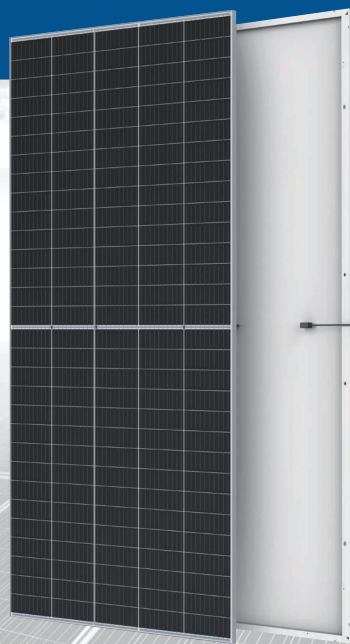


# EAP-520 SERIES

High efficiency mono panel

EAP-500  
EAP-505  
EAP-510  
EAP-515  
EAP-520



**520W**

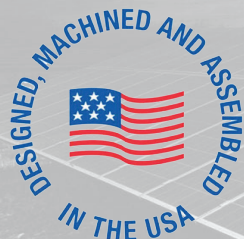
Maximum Power Output

**21.7%**

Maximum Module Efficiency

**0+~5W**

Power Output Guarantee



engineered for

## PERFORMANCE

**520W** 500W-520W power range  
21.7% module efficiency

**\$** 4.5% lower LCOE  
5.6% lower system cost

**LID / LeTID mitigation**  
Up to 50% lower degradation

**+** Utility grade  
Guaranteed compatibility

**☁** Improved shade tolerance

° Please contact our EA Engineering Team for detailed technical specifications

designed for

## RELIABILITY

### Ruggedized construction

Built to withstand real-world conditions.  
Rated for heavy snow loads up to 5400 Pa and wind loads up to 2400 Pa

### Durable materials

Advanced manufacturing technology minimizes chances of micro-cracks resulting from impact or heat.

industry leading

## PROTECTION

**25**  
YEARS

**Power Warranty**  
Guaranteed power  
98% for 1st year  
< 0.5%/yr. to year 25

**25**  
YEARS

**Product Warranty**  
Enhanced coverage  
on materials and  
workmanship

# EAP-520 SERIES

## High efficiency mono panel

### Module Dimension

#### Electrical Specification (STC\*)

	Pmax(W)	500	505	510	515	520
Maximum Power	Pmax(W)	500	505	510	515	520
Maximum Power Voltage	Vmp(V)	42.8	43.0	43.2	43.4	43.6
Maximum Power Current	Imp(A)	11.69	11.75	11.81	11.87	11.94
Open Circuit Voltage	Voc(V)	51.7	51.9	52.1	52.3	52.5
Short Circuit Current	Isc(A)	12.28	12.35	12.42	12.49	12.55
Module Efficiency	(%)	20.9	21.1	21.3	21.5	21.7
Power Output Tolerance	(W)			0~+5		

\* Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, Air Mass 1.5

#### Electrical Specification (NOCT\*)

	Pmax [W]	379	382	386	390	394
Maximum Power	Pmax [W]	379	382	386	390	394
Maximum Power Voltage	Vmp [V]	40.4	40.6	40.8	41.0	41.2
Maximum Power Current	Imp [A]	9.37	9.43	9.49	9.55	9.61
Open Circuit Voltage	Voc[V]	48.8	49.0	49.2	49.4	49.6
Short Circuit Current	Isc [A]	9.89	9.94	9.99	10.04	10.09

\* Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

#### Mechanical Data

Number of Cells	150 Cells (5x30)
Dimensions of Module L*W*H (mm)	2176 x 1096 x 35mm [85.66 x 43.14 x 1.38 inches]
Weight (kg)	26.3 kg
Glass	High transparency solar glass 3.2mm [0.13 inches]
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm <sup>2</sup> [0.006 inches <sup>2</sup> ], 300mm [11.8 inches]
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC Compatible

\* For more details please check the installation manual

#### Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	43±2°C
Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of P <sub>MAX</sub>	-0.340%/°C

#### Maximum Ratings

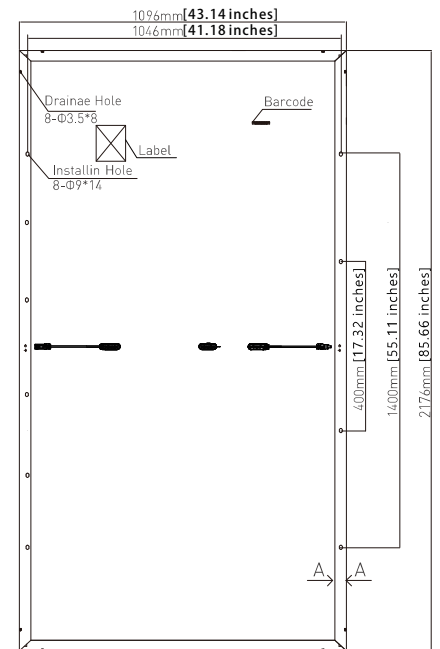
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC -(H)
Max Series Fuse Rating	25A

#### Packaging Configuration

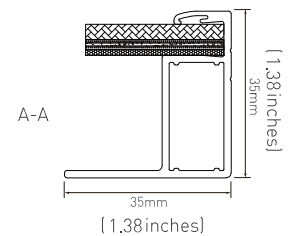
Module per box	30 pieces
Module per 40' container	600 pieces

#### Optional

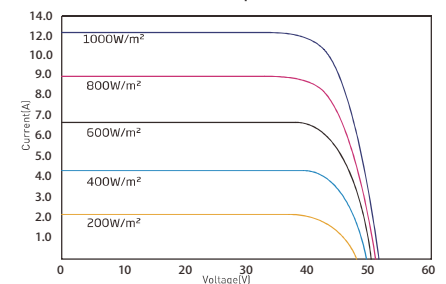
Connector	MC Original
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Back View



I-V Curve at Different Temperature (490W)



P-V Curve at Different Irradiation (490W)

