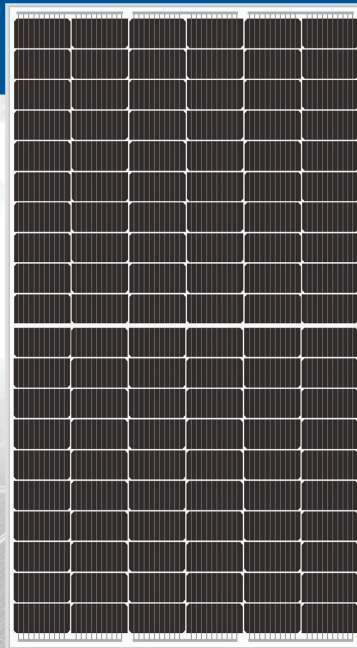


EAP-470 SERIES

High efficiency mono panel

EAP-440
EAP-445
EAP-450
EAP-455
EAP-460
EAP-465
EAP-470



470W

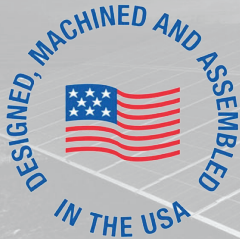
Maximum Power Output

21.6%

Maximum Module Efficiency

0+~5W

Power Output Guarantee



engineered for

PERFORMANCE

470W

440W-470W power range
21.6% 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

Energy America, LLC.
One Sansome Street | Suite 3500 | San Francisco | CA | 94104 | USA
Web: energyamericagroup.com | Email: info@energyamericagroup.com

EN=RGY
AMERICA[®]

EAP-470 SERIES

High efficiency mono panel

Module Dimension

Electrical Specification (STC*)

Maximum Power	P _{max} (W)	440	445	450	455	460	465	470
Maximum Power Voltage	V _{mp} (V)	34.21	34.26	34.31	34.36	34.41	34.45	34.50
Maximum Power Current	I _{mp} (A)	12.87	12.99	13.12	13.25	13.38	13.51	13.64
Open Circuit Voltage	V _{oc} (V)	41.44	41.50	41.56	41.62	41.68	41.74	41.80
Short Circuit Current	I _{sc} (A)	13.55	13.67	13.81	13.95	14.09	14.23	14.37
Module Efficiency	(%)	20.4	20.6	20.8	21.0	21.2	21.4	21.6
Power Output Tolerance	(W)	0~+5						

* Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

Electrical Specification (NOCT*)

Maximum Power	P _{max} (W)	327	331	335	339	343	347	351
Maximum Power Voltage	V _{mp} (V)	31.83	31.87	31.92	31.97	32.02	32.07	32.12
Maximum Power Current	I _{mp} (A)	10.29	10.39	10.49	10.60	10.71	10.82	10.93
Open Circuit Voltage	V _{oc} (V)	39.12	39.17	39.23	39.29	39.35	39.41	39.47
Short Circuit Current	I _{sc} (A)	10.94	11.04	11.15	11.26	11.37	11.48	11.59

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

Number of Cells	120 Cells (6×20)
Dimensions of Module L*W*H (mm)	1908×1134×35mm (75.11×44.64×1.38 inches)
Weight (kg)	24.0 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 ² [0.006 inches ²], 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)	44±2°C
Temperature Coefficient of I _{sc}	+0.048%/°C
Temperature Coefficient of V _{oc}	-0.270%/°C
Temperature Coefficient of P _{max}	-0.350%/°C

Maximum Ratings

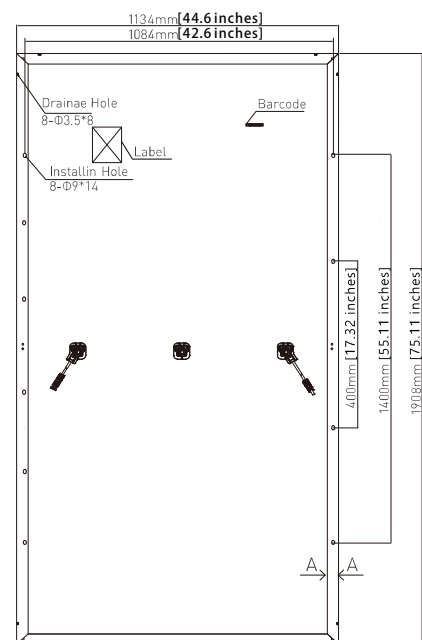
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC -(H)
Max Series Fuse Rating	25A

Packaging Configuration

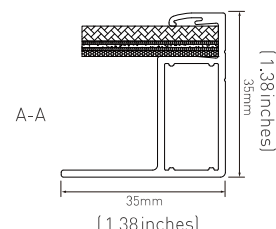
Module per box	31 pieces
Module per 40' container	744 pieces

Optional

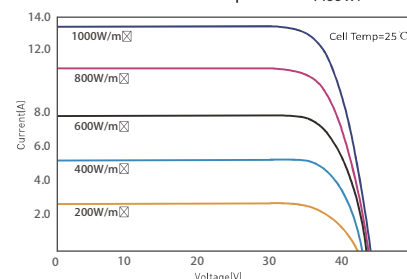
Connector	MC Original
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Back View



I-V Curve at Different Temperature (455W)



I-V/P-V Curve at Different Irradiation (455W)

