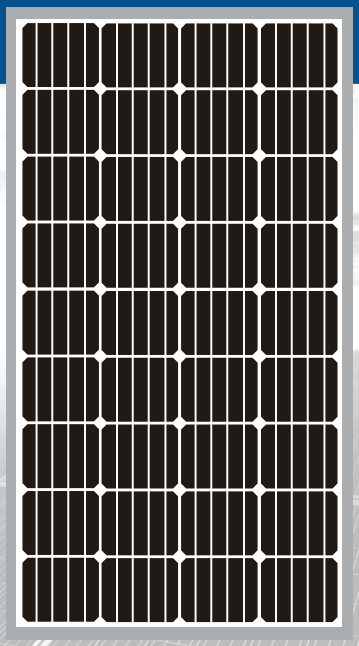
EAP-200 SERIES

High efficiency mono panel

EAP-180
EAP-185
EAP-190
EAP-195
EAP-200

DESIGNED, MACHINED AND ASSEMBLED IN THE USA



200W
Maximum Power Output

20.2%
Maximum Module Efficiency

0+~3W
Power Output Guarantee

engineered for

PERFORMANCE

200W — 180W-200W power range
20.2% 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.
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ENERGY® AMERICA

EAP-200 SERIES

High efficiency mono panel

ELECTRICAL SPECIFICATIONS

Model Type	GSM180W-36	GSM185W-36	GSM190W-36	GSM195W-36	GSM200W-36
Nominal Maximum Power (Pmax)	180W	185W	190W	195W	200W
Optimum Operating Voltage (Vmp)	18.87V	18.93V	18.99V	19.05V	19.11V
Optimum Operating Current (Imp)	9.538A	9.778A	10.018A	10.258A	10.498A
Open Circuit Voltage (Voc)	22.84V	23.19V	23.54V	23.89V	24.24V
Short Circuit Current (Isc)	10.20A	10.48A	10.76A	11.04A	11.32A
Module Efficiency	18.00%	18.50%	19.00%	19.50%	20.20%
Cell Efficiency	20.0%	21.0%	22.0%	23.0%	24.5%
Power Tolerance			0 to +3%		
Maximum System Voltage			DC 1000V		
Operating Temperature			-40˚C ~ +85˚C		
Maximum Series Fuse Rating			15A		
Number of Bypass Diode			2		

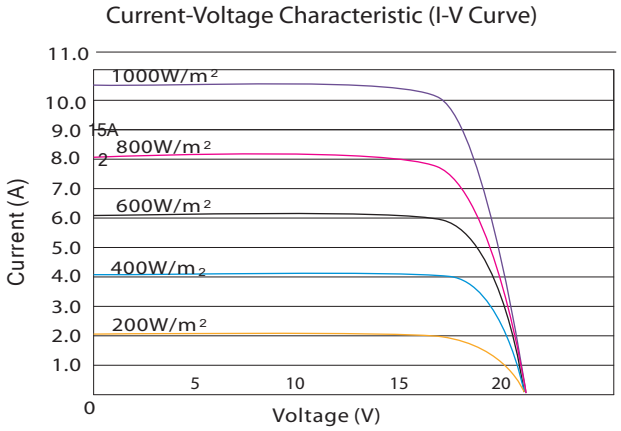
MECHANICAL DATA

Cell Type	156.75mm x 156.75mm
Cell Arrangement	36 cells in series
Dimensions	1480 x 670 x 30/35 mm
Weight	11.5kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
Junction- Box	IP67

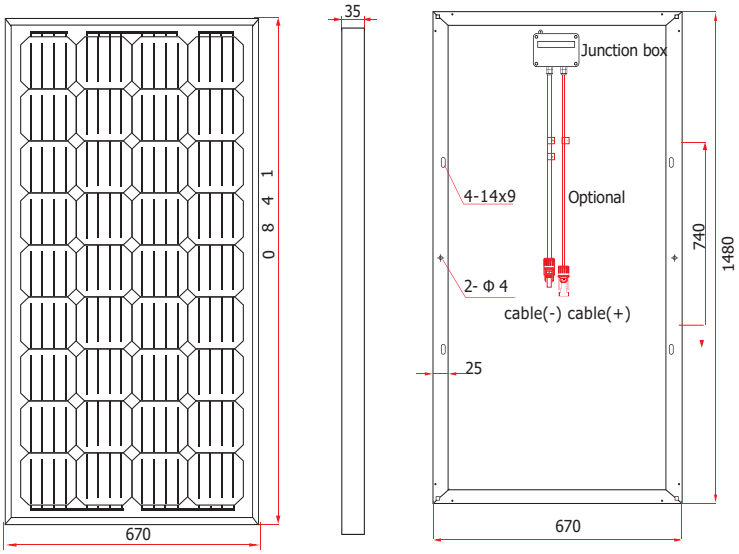
TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.420% / ℃
Temperature Coefficient (Voc)	-0.346% / ℃
Temperature Coefficient (Isc)	0.065% / ℃
Norminal Operating Cell Temperature	45.3±2 ℃

ELECTRICAL CHARACTERISTICS



MODULE DIMENSION



PRODUCT CERTIFICATION

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