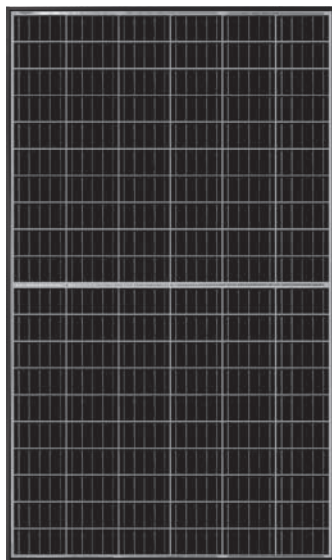


EG-(SERIES)M60-HD

120 HALF-CUT CELLS
MONOCRSTALLINE MODULE

310Wp-330Wp
POWER RANGE

19.55%
MAXIMUM MODULE EFFICIENCY



* Black Frames Applied



KEY FEATURES



Mbb half cell design

Half-cut cells brings lower resistance and increased Multi Busbar reflectance ensures higher power output



High Efficiency

Leading PERC technology achieves higher module efficiency up to 19.55%



Excellent Low-light Performance

Advanced solar cell surface texturing technology allows for excellent performance in low-light environments.



High Reliability

Strict in-house testing in PV Lab which is CNAS approved & VDE certified

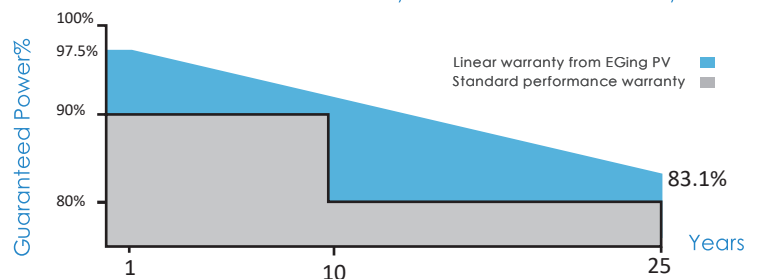


Highly Strengthened Design

Certified to withstand: 5400Pa snow load and 2400Pa wind load

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty · 25 Year Linear Power Warranty



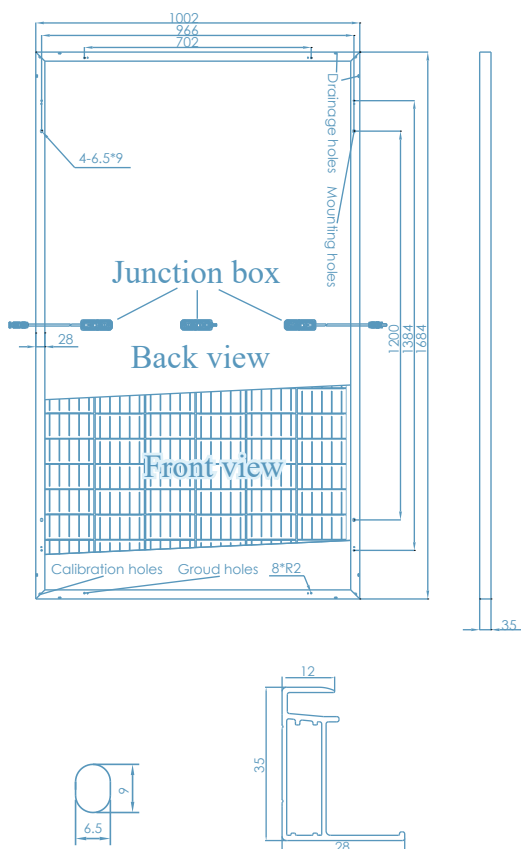
IEC/TS62941-PV Module Qualification Management
ISO9001:2005- Factory Quality Management System
ISO14001:2015- Environment Management System

Eging started its industrial manufacturing from 1995, and the PV division was founded in 2003. We are a high-tech company specialized in researching, developing, manufacturing and selling photovoltaic products. Eging has a full product lines including ingot, wafer, cell, and module. Our annual capacity reaches 5GW of solar cells and 5.5GW of solar modules by end of 2019. Eging is one of the ONLY three companies who are above the bankruptcy risk line among all of public listed solar companies according to BNFF (Bloomberg) report in Q3, 2019.



As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

Engineering Drawings



Electrical Characteristics

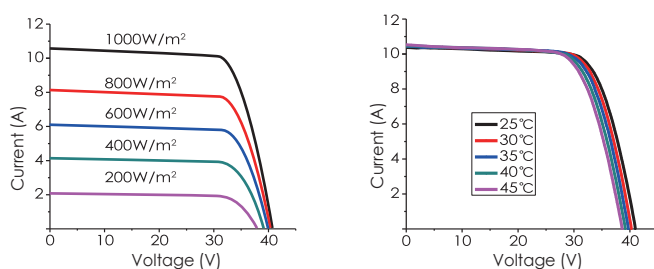
STC	EG-310 M60-HD	EG-315 M60-HD	EG-320 M60-HD	EG-325 M60-HD	EG-330 M60-HD
P _{max} (W)	310	315	320	325	330
V _{mp} (V)	32.57	32.78	32.99	33.20	33.41
I _{mp} (A)	9.52	9.61	9.70	9.79	9.88
V _{oc} (V)	40.20	40.42	40.63	40.74	40.94
I _{sc} (A)	9.99	10.08	10.17	10.26	10.35
Module efficiency (%)	18.37	18.66	18.94	19.26	19.55
Maximum system voltage (V)	1000				
Fuse Rating Current (A)	20				
Power tolerance (%)	P _{max} :±3% Binning:±5W, V _{oc} :±5%, I _{sc} :±5%				
Temperature coefficient	P _{max} (%/°C)	-0.390			
	I _{sc} (%/°C)	0.039			
	V _{oc} (%/°C)	-0.295			

STCSTC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

NOCT	EG-310 M60-HD	EG-315 M60-HD	EG-320 M60-HD	EG-325 M60-HD	EG-330 M60-HD
P _{max} (W)	229	233	237	241	245
V _{mp} (V)	29.86	30.11	30.31	30.55	30.78
I _{mp} (A)	7.67	7.74	7.82	7.89	7.96
V _{oc} (V)	36.86	37.13	37.33	37.49	37.72
I _{sc} (A)	8.05	8.12	8.19	8.27	8.34
Power tolerance (%)	P _{max} :±3% Binning:±5W				

NOCT: Irradiance 800W/ m2, ambient temperature 20°C, wind speed 1m/s

I - V Curves



Packing Configuration

Pieces per pallet	30
Size of packing (mm)	1720*1120*1150
Weight of packing (kg)	622
Pieces per container	780
Size of container	40' HC

Mechanical Characteristics

Number of cells (pcs)	120
Size of cell (mm)	158.75*79.375
Type of cell	Mono
Thickness of glass(mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68(1m,1h)
Size of module (mm)	1684*1002*35
Weight (kg)	19.2 / 18.2
Cables/connectors	H1Z2Z2-K 4mm² TL-Cable01S / Staubli MC4

Maximum Ratings

Operating Temperature(°C)	-40~85
Operating Humidity(%)	5~85
Allowable Hail Load	25mm ice-ball with velocity of 23m/s

Revised in May, 2020

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Specifications included in this datasheet are subject to change without notice.
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