






STAR SERIES MONOCRYSTALLINE 108-cell MODULE

EG-415M54-HL

415W

KEY FEATURES

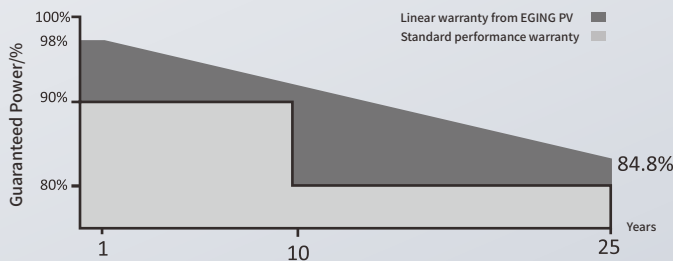
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Mbb half cell design
 Half-cut cells brings lower resistance and increased Multi Busbar reflectance ensures higher power output
- 
More Power
 Ensure module efficiency up to 21.22%
- 
High Reliability
 Strict in-house testing in PV Lab which is CNAS approved & TUV /VDE certified
- 
Excellent Low-light Performance
 Advanced solar cell surface texturing technology allows for excellent performance in low-light environments
- 
Highly Strengthened Design
 Certified to withstand:5400Pa snow load and 2400Pa wind load



LINEAR PERFORMANCE WARRANTY

25 25 Year Product Warranty **25** 25 Year Linear Power Warranty

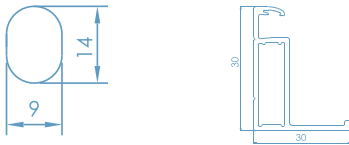
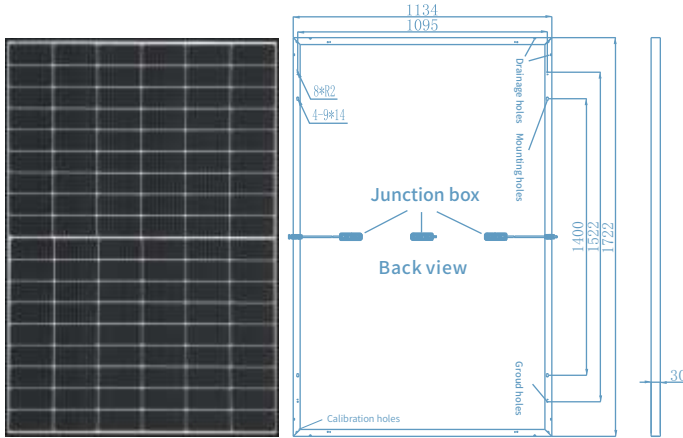
*Subject to the terms and conditions contained in the applicable EGING PV Limited Warranty Statement. Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in Australia.



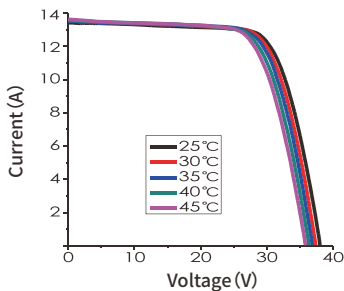
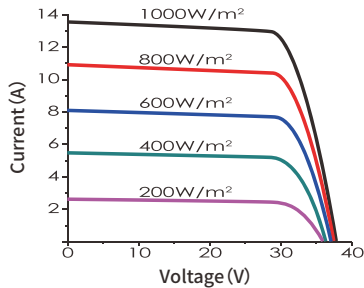
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-415M54-HL

Engineering Drawings



I-V Curves



Packing Configuration

Pieces per pallet	36
Size of packing (mm)	1790*1140*1275
Weight of packing (kg)	772
Pieces per container	936
Size of container	40'HC

Electrical Characteristics

Power level	415
Pmax (W)	415
Vmp (V)	32.00
Imp (A)	12.97
Voc (V)	37.90
Isc (A)	13.72
Module efficiency (%)	21.22
Maximum system voltage (V)	1000
Fuse Rating (A)	25
Power tolerance (%)	Pmax: ±3% Binning: ±5W Voc: ±5% Isc: ±5%
Temperature coefficient Pmax (%°C)	-0.350
Temperature coefficient Isc (%°C)	0.05
Temperature coefficient Voc (%°C)	-0.275

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

Working Characteristics

Power level	415
Pmax (W)	314
Vmp (V)	29.60
Imp (A)	10.61
Voc (V)	35.25
Isc (A)	11.23
Power tolerance (%)	Pmax: ±3% Binning: ±5W
NOCT (°C)	44 ± 2

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

Mechanical Characteristics

Number of cells	108pcs
Size of cell (mm)	182*91
Type of cell	Mono
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	1722*1134*30
Weight (kg)	20.2
Cables/connectors	H12222-K 4mm ² 01C1/05-8 TL-Cable01s/Staubli MC4
Length of Cabel	1200mm

Maximum Ratings

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

Revised in January 2022 1st Edition

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