

STAR SERIES

MONO PERC
108-cell MODULE

EG-410M54-HLV **410W**

EG-415M54-HLV **415W**

EG-420M54-HLV **420W**

KEY FEATURES



Mbb cell design

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



High compatibility

Innovative 182mm big cell, small size model design, compatible to variance Roof-top and installation methodology



High Reliability

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



Excellent Low-light Performance

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



PID Resistant

Excellent PID resistance performance optimized by unique structural design

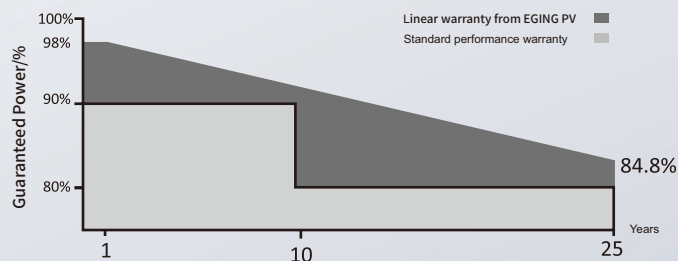
LINEAR PERFORMANCE WARRANTY



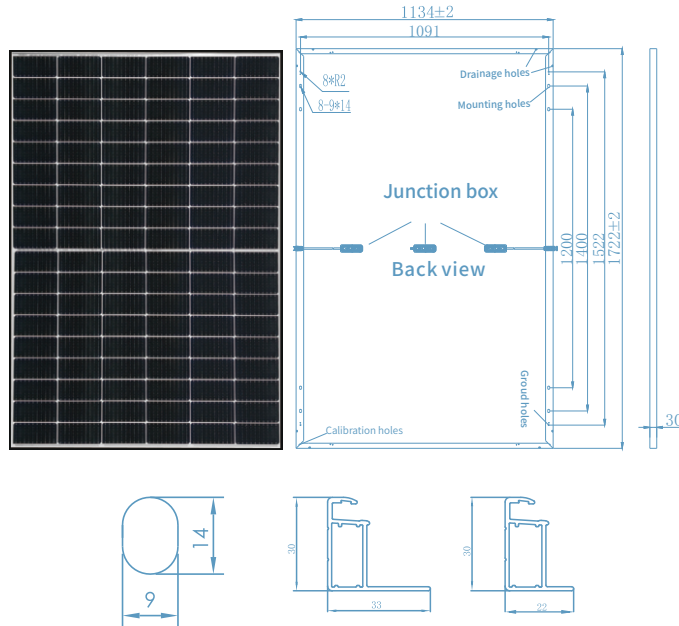
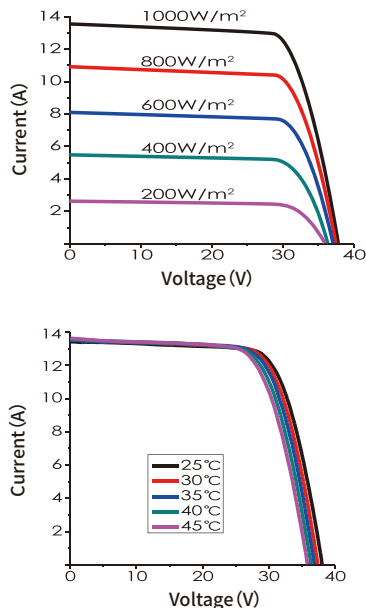
15 year Product Warranty
25 Year Product Warranty
(For rooftop installation only)



25 Year Linear Power Warranty



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-410M54-HLV
EG-415M54-HLV
EG-420M54-HLV
Engineering Drawings

I-V Curves

Packing Configuration

Pieces per pallet	36
Size of packing (mm)	1750*1135*1255
Weight of packing (kg)	772
Pieces per container	936
Size of container	40' HC

Electrical Characteristics(STC)

Power level	410	415	420
Pmax (W)	410	415	420
Vmp (V)	31.76	32.00	32.24
Imp (A)	12.91	12.97	13.03
Voc (V)	37.66	37.90	38.14
Isc (A)	13.66	13.72	13.78
Module efficiency (%)	20.99	21.25	21.51
Maximum system voltage (V)	1500		
Fuse Rating (A)	25		
Temperature coefficient Pmax (%/°C)	-0.350		
Temperature coefficient Isc (%/°C)	0.05		
Temperature coefficient Voc (%/°C)	-0.275		
Tolerance	Pmax:±3% Binning:0~+5W Voc:±5% Isc:±5%		

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

Working Characteristics (NOCT)

Power level	410	415	420
Pmax (W)	310	313	318
Vmp (V)	29.36	29.51	29.84
Imp (A)	10.56	10.61	10.66
Voc (V)	35.03	35.18	35.48
Isc (A)	11.18	11.23	11.28
Tolerance	Pmax:±3% Binning:0~+5W Voc:±5% Isc:±5%		
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	
Connectors	E1-X-abcd Z4S-abcd C2xyz PV-HT03x PV-KST4-EVO2/xy_UR PV-KBT4-EVO2/xy_UR	Changzhou Eging Photovoltaic Tech. Co., Ltd. Zerun Co. Ltd. Jiangsu Holsun Electronics Technology Co., Ltd. Jiangsu Haitian Microelectronics Corp. Staubli Electrical Connectors AG
Length of Cable	+300mm/-300mm	
Fire rating	Class c	
Country of manufacture	China	

Maximum Ratings

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

Revised in September 2024 1st Edition

CAUTION:All rights and explain reserved by EGING PV.
 Specifications included in this datasheet are subject to change without notice.
 The specific content of the product warranty refers to EGING's latest warranty.



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