

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

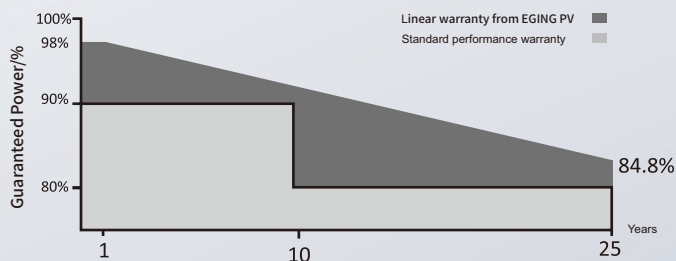
LINEAR PERFORMANCE WARRANTY



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



25 Year Linear Power Warranty



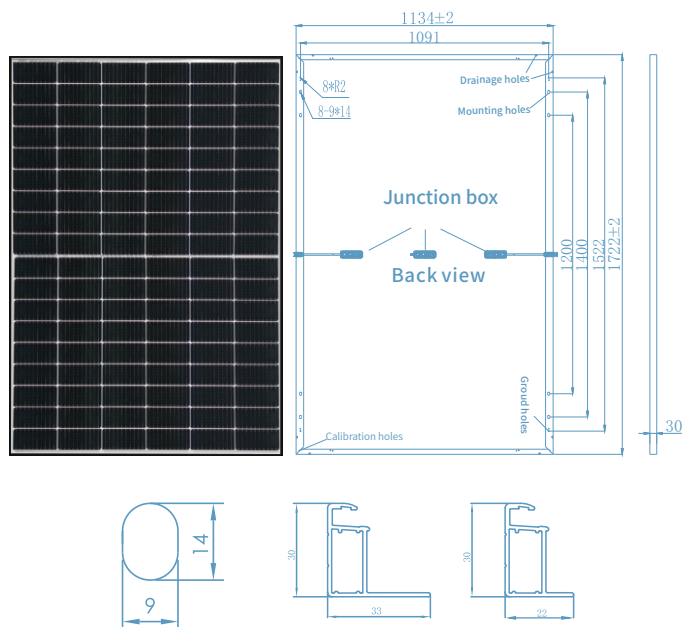
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-410M54-HLV

EG-415M54-HLV

EG-420M54-HLV

Engineering Drawings



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%		

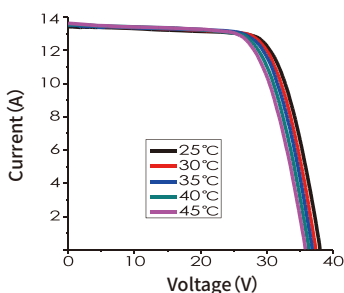
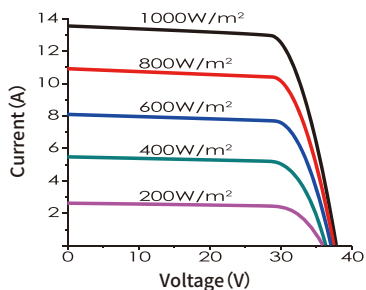
STC:Irradiance 1000W/m²,module temperature 25°C, AM=1.5

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

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

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-abcde C2xyz PV-HT03x PV-KST4-EVO2/xy_UR PV-KBT4-EVO2/xy_UR
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

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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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