

STAR SERIES

MONO PERC
144-cell MODULE

EG-540M72-HLV	540W	EG-545M72-HLV	545W
EG-550M72-HLV	550W	EG-555M72-HLV	555W

KEY FEATURES



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



Low degradation
All single crystal cells are produced by using gallium-doped silicon wafer, which has better anti-degradation ability and ensures durable and stable efficient power generation



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

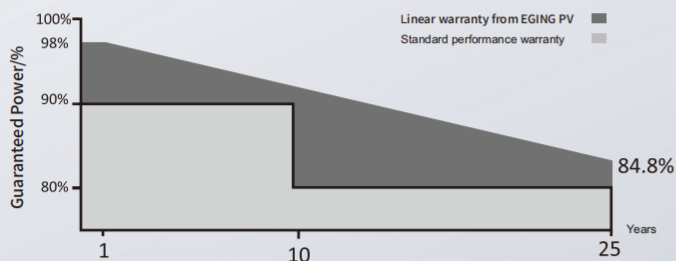
LINEAR PERFORMANCE WARRANTY



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



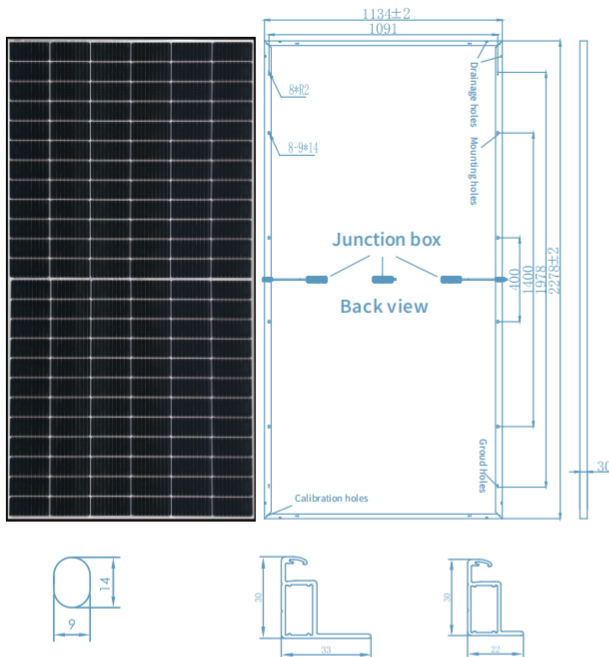
25 Year Linear Power Warranty



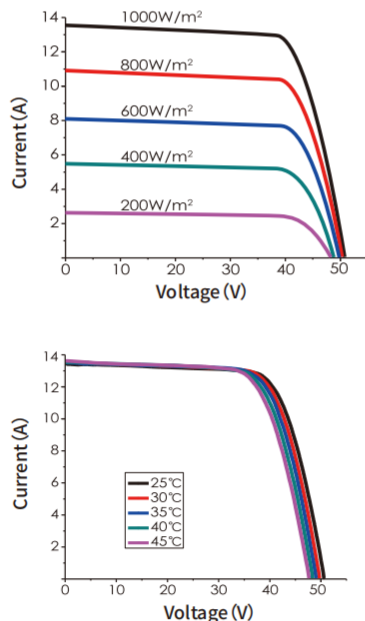
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-540M72-HLV
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EG-555M72-HLV

Engineering Drawings



I-V Curves



Packing Configuration

Pieces per pallet	36
Size of packing (mm)	2320*1135*1255
Weight of packing (kg)	1022
Pieces per container	720
Size of container	40' HC

Electrical Characteristics(STC)

Power level	540	545	550	555
Pmax (W)	540	545	550	555
Vmp (V)	42.03	42.25	42.48	42.70
Imp (A)	12.85	12.90	12.95	13.00
Voc (V)	49.89	50.10	50.32	50.54
Isc (A)	13.60	13.65	13.70	13.75
Module efficiency (%)	20.90	21.09	21.29	21.48
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	540	545	550	555
Pmax (W)	409	412	416	420
Vmp (V)	38.88	39.02	39.25	39.48
Imp (A)	10.52	10.56	10.60	10.64
Voc (V)	46.40	46.59	46.80	47.01
Isc (A)	11.13	11.17	11.21	11.25
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	144pcs
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)	2278*1134*30
Weight (kg)	27
Connectors	E1-X-abcd Changzhou Eging Photovoltaic Tech. Co., Ltd.
-manufacture	Z4S-abcd Zerun Co. Ltd.
	C2xyz Jiangsu Holsun Electronics Technology Co., Ltd.
	PV-HT03x Jiangsu Haitian Microelectronics Corp.
	PV-KST4-EV02/xy_UR Staubli Electrical Connectors AG
	PV-KBT4-EV02/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.

 Add: Changzhou Eging
 Photovoltaic Technology Co., Ltd.
 No.18, Jinwu Road
 Yaotang Town
 213212 JINTAN CITY
 Jiangsu
 CHINA
 Tel: 86-519-82585880
 Email: marketing@egingpv.com
 Web: www.egingpv.com