KEENSTAR EGING PV

STAR SERIES

MONO PERC
120-cell MODULE

EG-460M60-HLV

440~460W

0~3%POSITIVE TOLERANCE

KEY FEATURES

Mbb cell design
Multi Busbar cells brings lower resisitance 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 & TUV /VDE certified

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

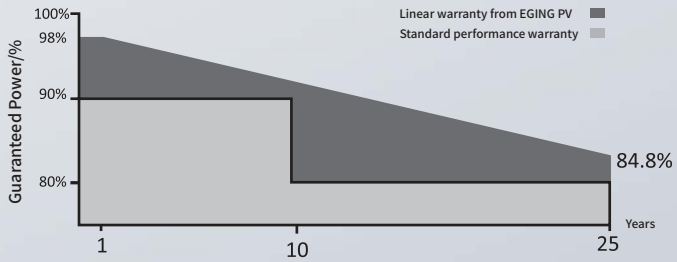
PID Resistant
Excellent PID resistance performance optimized by unique structural design



LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty

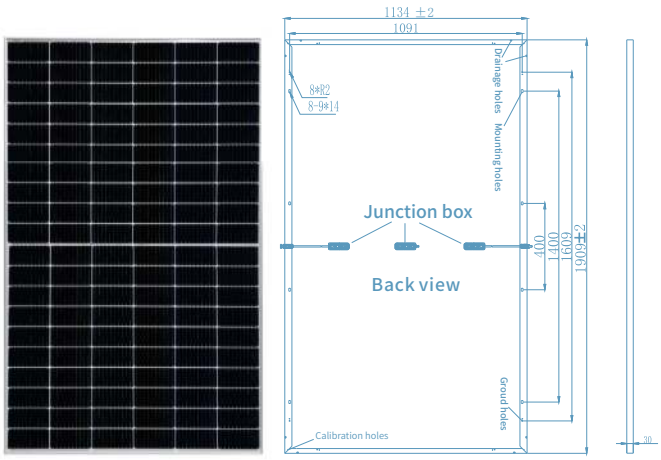
25 Year Linear Power Warranty

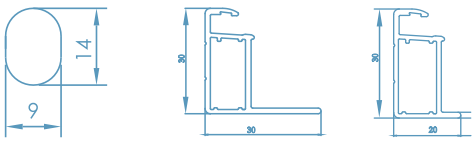


As a BloombergNEF Tier 1 and global leading manufacturer since 1998,EGING PV is committed to supplying reliable and durable PV products to customers to creat together a greener planet.

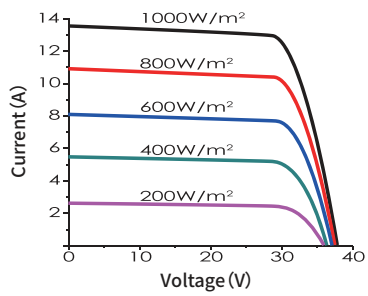
EG-460M60-HLV

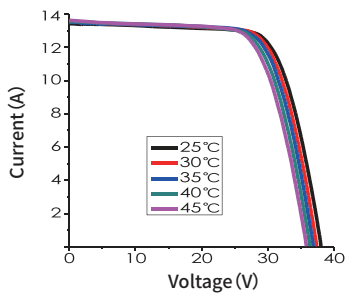
Engineering Drawings





I-V Curves





Electrical Characteristics

Power level	440	445	450	455	460
Pmax (W)	440	445	450	455	460
Vmp (V)	34.71	34.93	35.16	35.39	35.61
Imp (A)	12.68	12.74	12.80	12.86	12.92
Voc (V)	41.51	41.73	41.96	42.19	42.41
Isc (A)	13.43	13.49	13.55	13.61	13.67
Module efficiency (%)	20.32	20.55	20.78	21.01	21.24
Maximum system voltage (V)			1500		
Fuse Rating (A)			25		
Temperature coefficient Pmax (%/℃)			-0.350		
Temperature coefficient Isc (%/℃)			0.05		
Temperature coefficient Voc (%/℃)			-0.275		

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

Working Characteristics

Power level	440	445	450	455	460
Pmax (W)	333	337	341	344	348
Vmp (V)	32.43	32.63	32.85	33.06	33.27
Imp (A)	10.27	10.33	10.38	10.41	10.46
Voc (V)	38.78	38.98	39.20	39.41	39.62
Isc (A)	10.90	10.95	11.00	11.05	11.10
Power tolerance (%)			0~+3		
NOCT (℃)			44±2		

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

Mechanical Characteristics

Number of cells	120pcs
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)	1909*1134*30
Weight (kg)	22.3
Cables/connectors	4mm², MC4 compatible
Length of Cabel	Portrait：+300mm/-300mm

Packing Configuration

Pieces per pallet	36
Size of packing (mm)	1940*1135*1255
Weight of packing (kg)	848
Pieces per container	864
Size of container	40'HC

Maximum Ratings

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

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

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