

EG-(SERIES)M60-HC MONOCRYSTALLINE 120-CELL MODULE 300 ~ 320Wp

0~+3% POSITIVE TOLERANCE

KEY FEATURES



Half cell design

The HC design 120-cell brings lower cell connection loss and lower thermal coefficients at high operation temperatures



High Efficiency

Leading PERC technology achieves higher module efficiency up to 19.3%



Excellent Low-light Performance

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



High Reliability

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



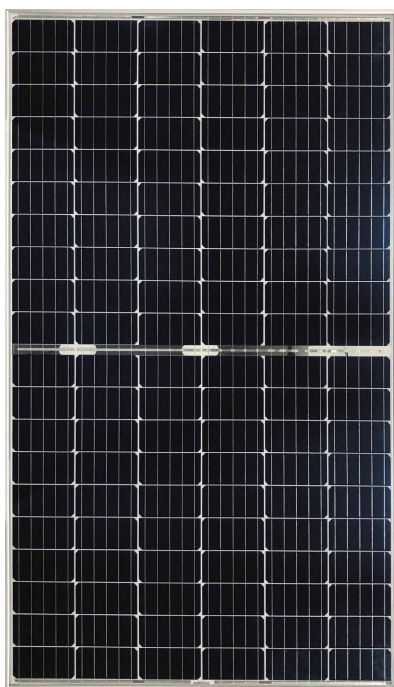
Highly Strengthened Design

Certified to withstand: 5400Pa snow load and 2400Pa wind load



PID Resistant

Excellent PID optimized, 1% less power degradation



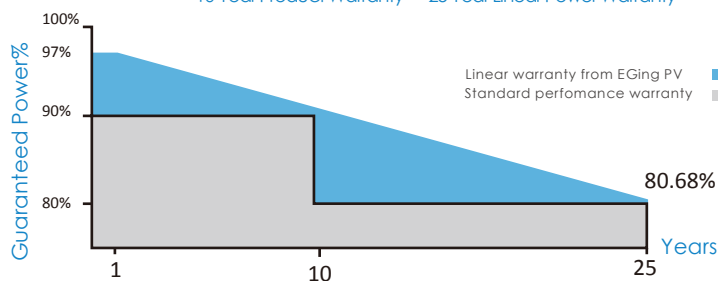
* Black Frames Applied



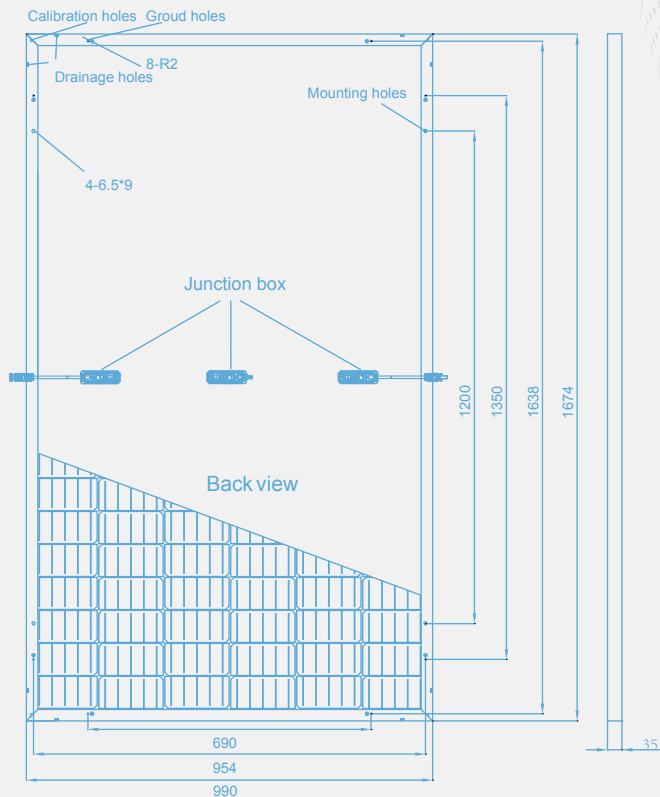
5 Bus Bar Solar CELL

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



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Electrical Characteristics

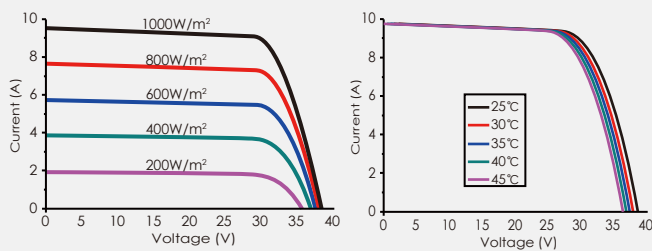
STC	EG-300 M60-HC	EG-305 M60-HC	EG-310 M60-HC	EG-315 M60-HC	EG-320 M60-HC	EG-325 M60-HC
P _{max} (W)	300	305	310	315	320	325
V _{mp} (V)	32.79	33.05	33.34	33.59	33.83	33.97
I _{mp} (A)	9.15	9.23	9.30	9.38	9.46	9.57
V _{oc} (V)	39.25	39.55	39.78	40.03	40.35	40.58
I _{sc} (A)	9.61	9.69	9.77	9.86	9.94	10.03
Module efficiency (%)	18.1	18.4	18.7	19.0	19.3	19.6
Maximum system voltage (V)	1000					
Fuse Rating Current (A)	15					
Power tolerance (%)	0~+3					
Temperature coefficient	P _{max} (%/°C)		-0.390			
	I _{sc} (%/°C)		0.039			
	V _{oc} (%/°C)		-0.295			

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

NOCT	EG-300 M60-HC	EG-305 M60-HC	EG-310 M60-HC	EG-315 M60-HC	EG-320 M60-HC	EG-325 M60-HC
P _{max} (W)	222	226	229	233	237	241
V _{mp} (V)	32.56	32.85	33.15	33.43	33.67	33.95
I _{mp} (A)	6.82	6.88	6.91	6.97	7.04	7.10
V _{oc} (V)	36.35	36.67	36.96	37.28	37.45	37.66
I _{sc} (A)	7.86	7.93	7.99	8.04	8.12	8.18
Power tolerance (%)	±3%					

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

I-V Curves



Packing Configuration

Pieces per pallet	30
Size of packing (mm)	1714*1120*1140
Weight of packing (kg)	609
Pieces per container	780
Size of container	40' HC

Mechanical Characteristics

Number of cells (pcs)	120
Size of cell (mm)	156.75*78.375
Type of cell	Mono
Thickness of glass(mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP67
Size of module (mm)	1674*990*35
Weight (kg)	18.8
Cables/connectors	PV1-F,4MM ² MC4 compatible
Length of Cabel	1m

Maximum Ratings

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