

# EG-305M60-C

## MONOCRYSTALLINE

### 60-CELL MODULE

285 ~ 305Wp

0~+3% POSITIVE TOLERANCE



\* Black Frames Applied



5 Bus Bar Solar CELL

#### KEY FEATURES



##### High Efficiency

Leading PERC technology achieves higher module efficiency up to 18.7%



##### 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

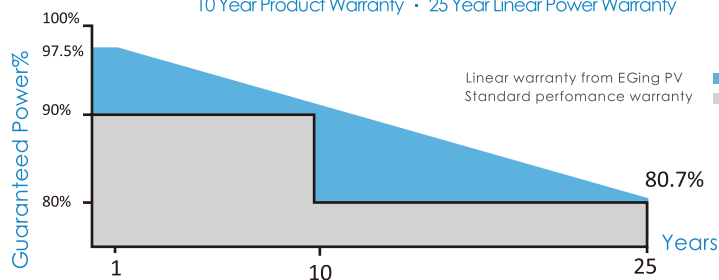


##### PID Resistant

Excellent PID optimized, 1% less power degradation

#### LINEAR PERFORMANCE WARRANTY

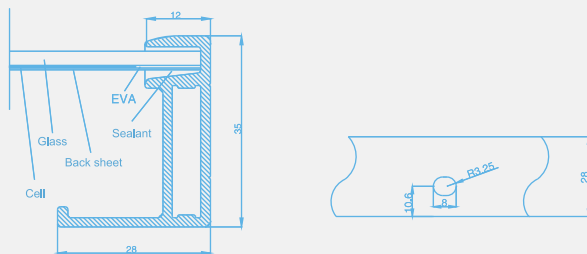
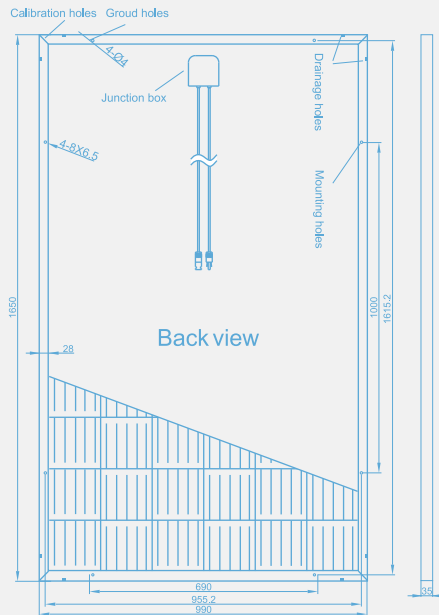
10 Year Product Warranty • 25 Year Linear Power Warranty



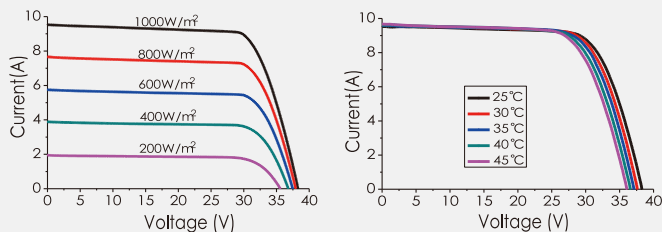
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## I-V Curves



## Packing Configuration

Pieces per pallet	30
Size of packing (mm)	1690*1120*1140
Weight of packing (kg)	603
Pieces per container	840
Size of container	40' HC

## Electrical Characteristics

STC	EG -285 M60 -C	EG -290 M60 -C	EG -295 M60 -C	EG -300 M60 -C	EG -305 M60 -C
Pmax (W)	285	290	295	300	305
Vmp (V)	31.67	31.77	32.00	32.23	32.42
Imp (A)	9.00	9.13	9.22	9.31	9.41
Voc (V)	39.01	39.24	39.43	39.65	39.86
Isc (A)	9.55	9.66	9.75	9.84	9.93
Module efficiency (%)	17.45	17.75	18.06	18.37	18.67
Maximum system voltage (V)	1000				
Fuse Rating Current (A)	15				
Power tolerance (%)	0~+3				
Temperature coefficient	Pmax (%/°C)	- (0.43±0.05)			
	Isc (%/°C)	0.04±0.015			
	Voc (%/°C)	- (0.325±0.1)			

STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25 °C, AM=1.5

NOCT	EG-285 M60-C	EG-290 M60-C	EG-295 M60-C	EG-300 M60-C	EG-305 M60-C
Pmax (W)	207.66	211.30	214.93	218.59	222.23
Vmp (V)	28.88	28.97	29.18	29.39	29.56
Imp (A)	7.18	7.28	7.36	7.43	7.50
Voc (V)	36.05	36.27	36.43	36.64	36.84
Isc (A)	7.73	7.82	7.89	7.96	8.04
Power tolerance (%)	±3%				

NOCT: Irradiance 800W/ m<sup>2</sup>, ambient temperature 20 °C, wind speed 1m/s

## Mechanical Characteristics

Number of cells (pcs)	60
Size of cell (mm)	156*156
Type of cell	Mono
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP67
Size of module (mm)	1650*990*35
Weight (kg)	18.6
Cables/connectors	PV1-F, 4mm <sup>2</sup> , MC4 compatible

## Maximum Ratings

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