

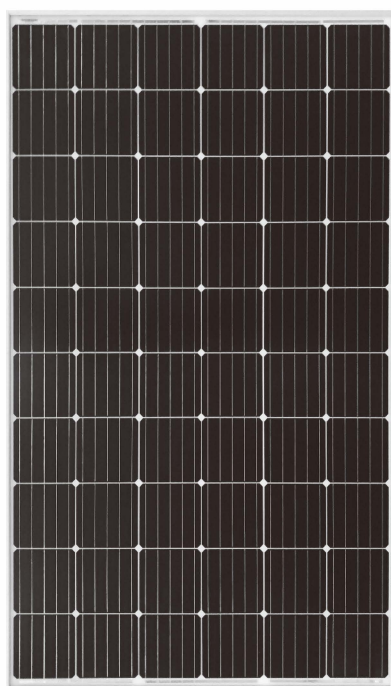
EG-310M60-C

MONOCRYSTALLINE

60-CELL MODULE

290 ~ 310WP

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 19.0%



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

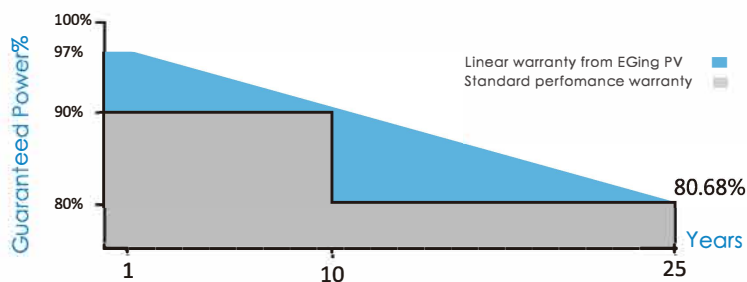


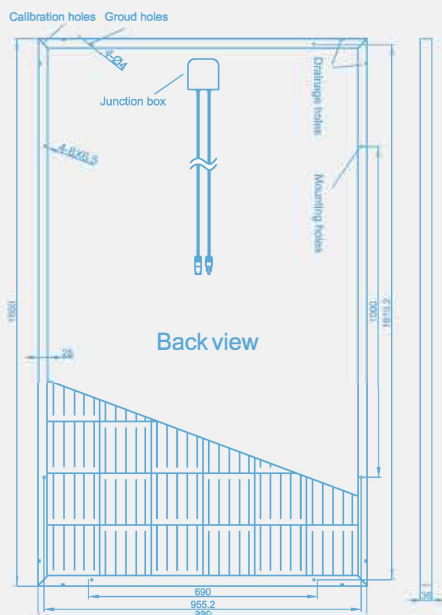
PID Resistant

Excellent PID optimized, 1% less power degradation

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



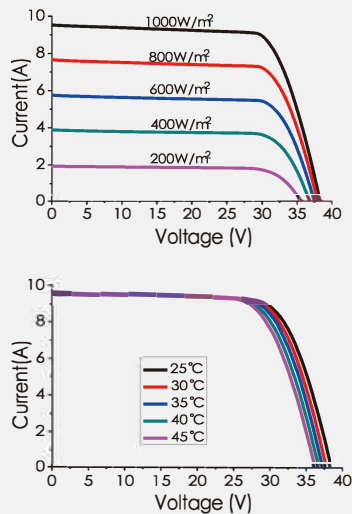


Electrical Characteristics

STC	EG -290 M60-C	EG -295 M60-C	EG -300 M60-C	EG -305 M60-C	EG -310 M60-C
P _{max} (W)	290	295	300	305	310
V _{mp} (V)	31.77	32.00	32.23	32.42	32.67
I _{mp} (A)	9.13	9.22	9.31	9.41	9.49
V _{oc} (V)	39.24	39.43	39.65	39.86	40.08
I _{sc} (A)	9.66	9.75	9.84	9.93	10.01
Module efficiency (%)	17.75	18.06	18.37	18.67	18.97
Maximum system voltage (V)	1000				
Fuse Rating Current (A)	15				
Power tolerance (%)	0~+3				
Temperature coefficient	P _{max} (%/°C)	-(0.43±0.05)			
	I _{sc} (%/°C)	0.04±0.015			
	V _{oc} (%/°C)	-(0.325±0.1)			

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

I-V Curves



NOCT	EG-290 M60-C	EG-295 M60-C	EG-300 M60-C	EG-305 M60-C	EG-310 M60-C
P _{max} (W)	211.30	214.93	218.59	222.23	228.23
V _{mp} (V)	28.97	29.18	29.39	29.56	30.19
I _{mp} (A)	7.28	7.36	7.43	7.50	7.56
V _{oc} (V)	36.27	36.43	36.64	36.84	37.10
I _{sc} (A)	7.82	7.89	7.96	8.04	8.08
Power tolerance (%)	±3%				

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

Mechanical Characteristics

Number of cells (pcs)	60
Size of cell (mm)	156.75*156.75
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 ² , MC4 compatible

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

Maximum Ratings

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