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Solar Panel Guide Specification Data Sheet

EGing Photovoltaic Technology Co., Ltd.

EG-290P60-C

EG-290 P60-C

Also available on the web at

EnergyPal.com/eging-photovoltaic-technology-co-ltd-solar-panels/eg-290-p60-c

EG-290P60-C

POLYCRYSTALLINE

60-CELL MODULE

270 ~ 290WP

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 17.8%



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

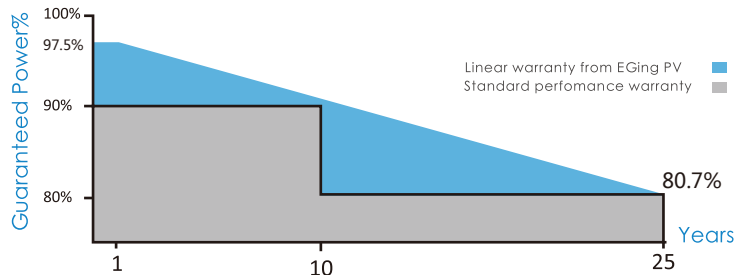


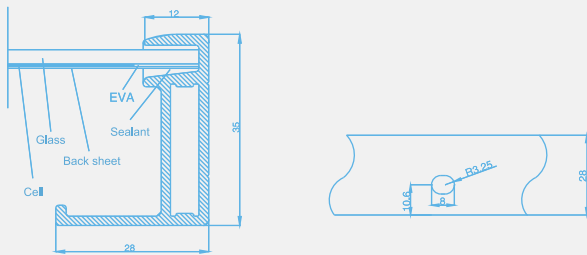
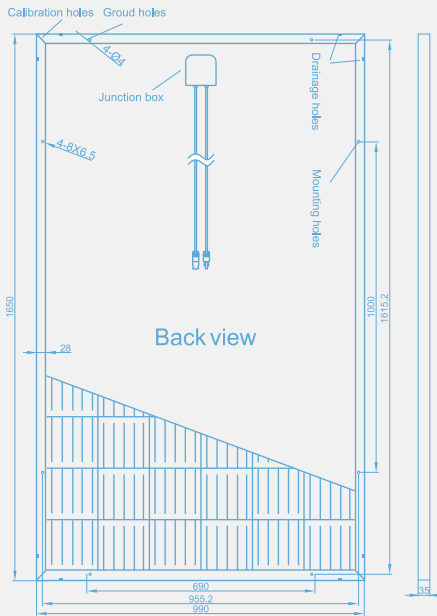
PID Resistant

Excellent PID optimized, 1% less power degradation

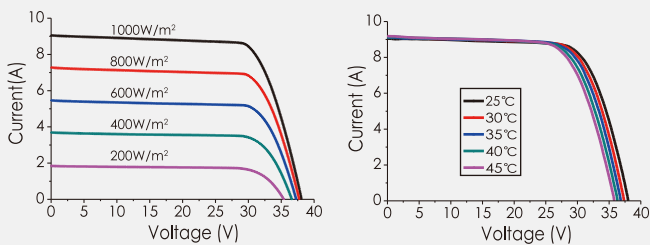
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty





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-270 P60-C	EG-275 P60-C	EG-280 P60-C	EG-285 P60-C	EG-290 P60-C
Pmax (W)	270	275	280	285	290
Vmp (V)	30.62	30.83	31.08	31.25	31.49
Imp (A)	8.82	8.92	9.01	9.12	9.21
Voc (V)	38.59	38.80	39.01	39.21	39.42
Isc (A)	9.25	9.33	9.43	9.51	9.60
Module efficiency (%)	16.52	16.83	17.14	17.44	17.75
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/m², module temperature 25°C, AM=1.5

NOCT	EG-270 P60-C	EG-275 P60-C	EG-280 P60-C	EG-285 P60-C	EG-290 P60-C
Pmax (W)	198.36	202.04	205.71	209.39	213.52
Vmp (V)	27.94	28.12	28.35	28.51	28.70
Imp (A)	7.10	7.19	7.26	7.35	7.44
Voc (V)	35.70	35.90	36.10	36.29	36.3
Isc (A)	7.49	7.56	7.64	7.70	7.75
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	Poly
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

Maximum Ratings

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

Revised on March, 2017

CAUTION: All rights reserved by EGING PV. Specifications included in this datasheet are subject to change without notice.