

Mechanical Characteristics

Number of cells (pcs)	120
Size of cell (mm)	156.75*78.375
Type of cell	Poly
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	4mm ² MC4 compatible

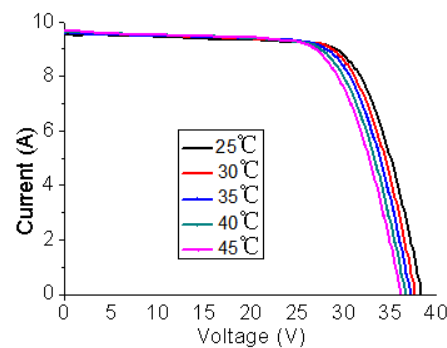
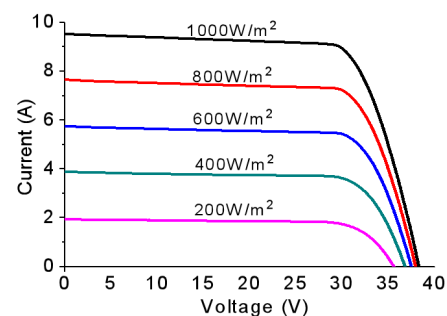
Maximum Ratings

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

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

I-V Curves



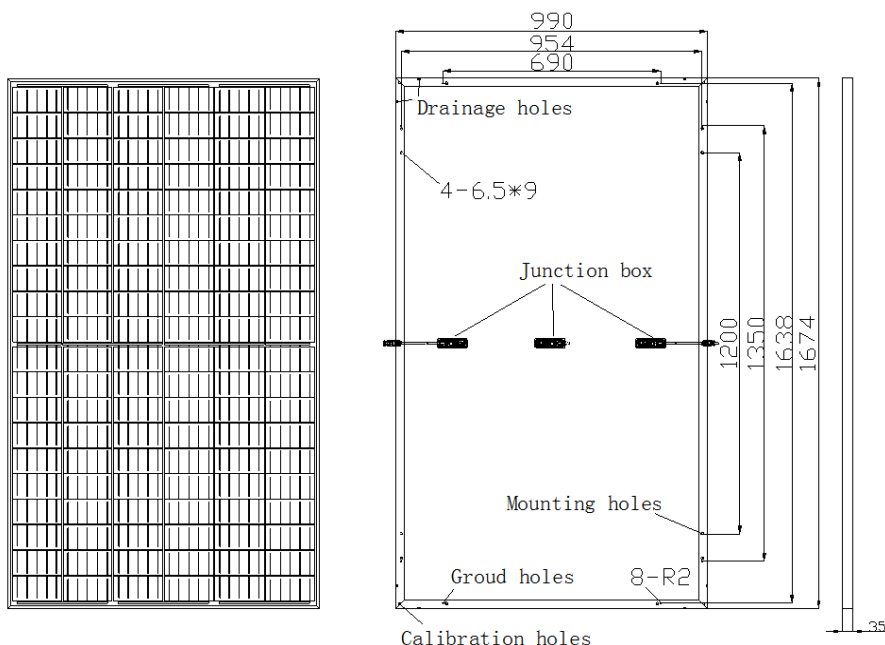
Electrical Characteristics

STC	EG-280 P60-HCV	EG-285 P60-HCV	EG-290 P60-HCV	EG-295 P60-HCV	EG-300 P60-HCV
Pmax (W)	280	285	290	295	300
Vmp (V)	31.97	32.25	32.52	32.78	33.05
Imp (A)	8.76	8.84	8.92	9.00	9.08
Voc (V)	38.52	38.80	39.03	39.30	39.58
Isc (A)	9.34	9.43	9.52	9.61	9.70
Module efficiency (%)	16.89	17.20	17.50	17.80	18.10
Maximum system voltage (V)	1500				
Fuse Rating Current (A)	15				
Power tolerance (%)	0~+3				
Temperature coefficient	Pmax (%/°C)	-0.405			
	Isc (%/°C)	0.041			
	Voc (%/°C)	-0.298			

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

NOCT	EG-280 P60-HCV	EG-285 P60-HCV	EG-290 P60-HCV	EG-295 P60-HCV	EG-300 P60-HCV
Pmax (W)	207	211	215	219	223
Vmp (V)	29.71	29.85	30.04	30.22	30.47
Imp (A)	6.97	7.07	7.16	7.25	7.32
Voc (V)	36.89	37.09	37.29	37.51	37.75
Isc (A)	7.40	7.49	7.57	7.68	7.75
Power tolerance (%)	±3%				

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



Specifications in this catalog sheet are subject to technical changes and product innovations. EGING PV reserves the right of final interpretation.