

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 |

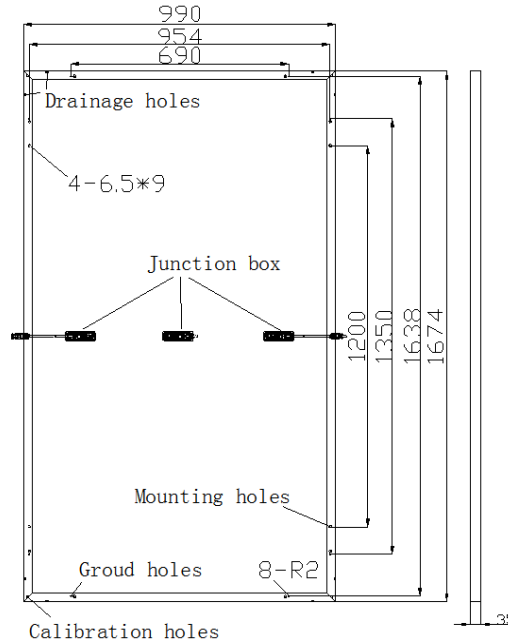
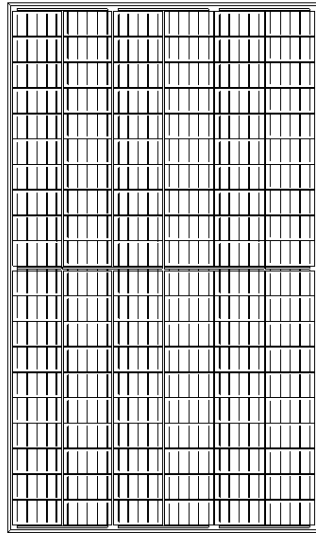
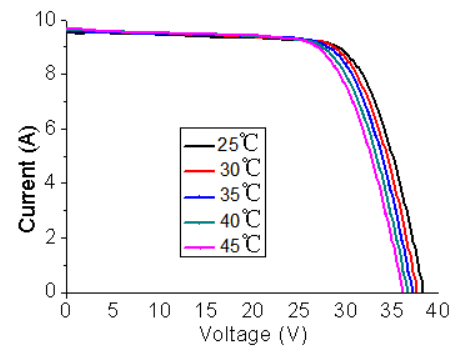
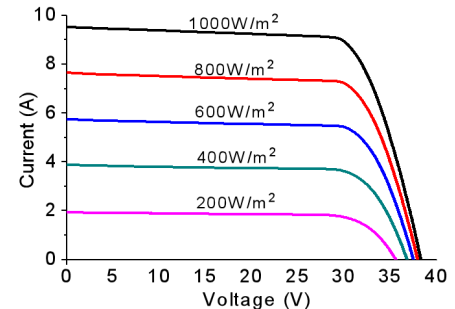
Maximum Ratings

| | |
|---------------------------|--------------------------------------|
| 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-HC | EG-285 P60-HC | EG-290 P60-HC | EG-295 P60-HC | EG-300 P60-HC |
|----------------------------|---------------|---------------|---------------|---------------|---------------|
| 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) | 1000 | | | | |
| 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-HC | EG-285 P60-HC | EG-290 P60-HC | EG-295 P60-HC | EG-300 P60-HC |
|---------------------|---------------|---------------|---------------|---------------|---------------|
| 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.