

120
Half
Cells

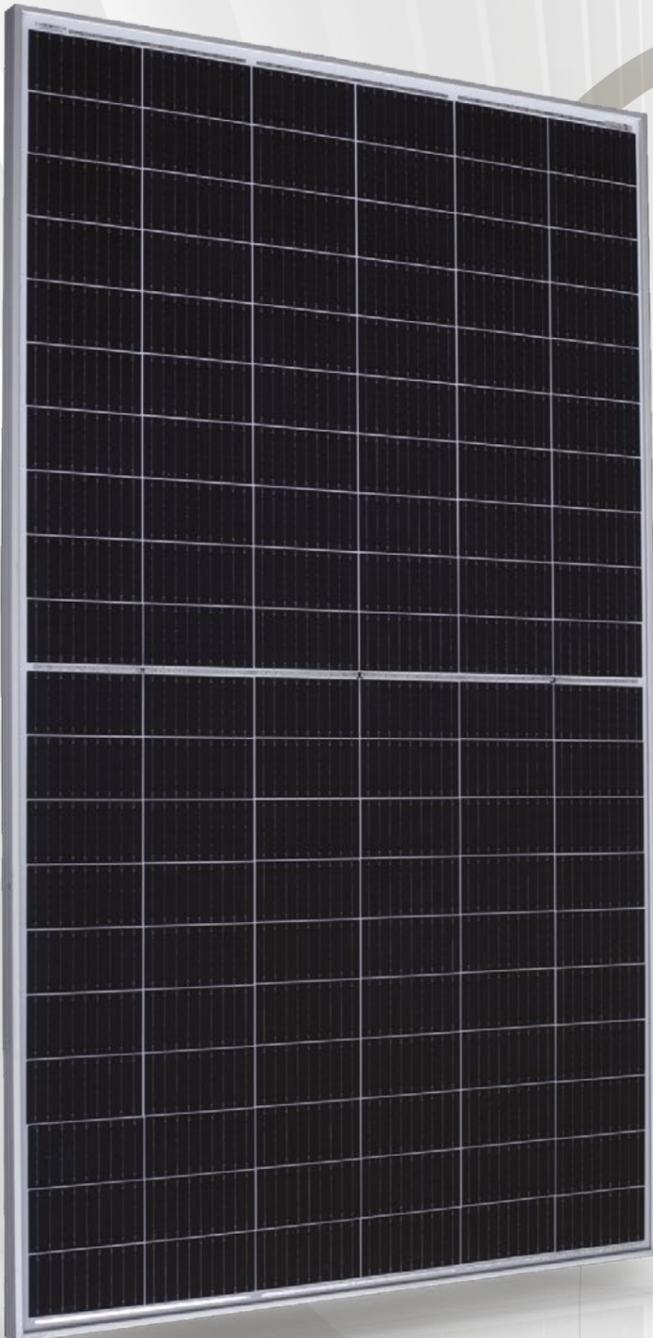
LID
RESISTANT

PID
RESISTANT

SALTY CORROSION
RESISTANT

SAND
RESISTANT

NH₃
AMMONIA
RESISTANT

HIGHLY STABLE
AND TOUGH


With
Full Black
Option

30
years
Performance
Guarantee

15
years
Product
Warrenty

Mechanical and design specification

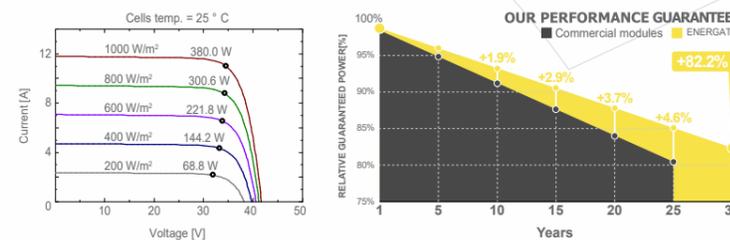
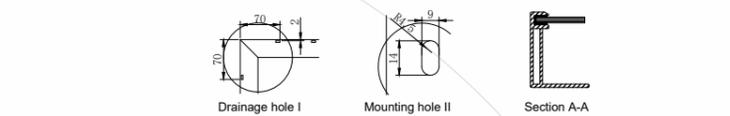
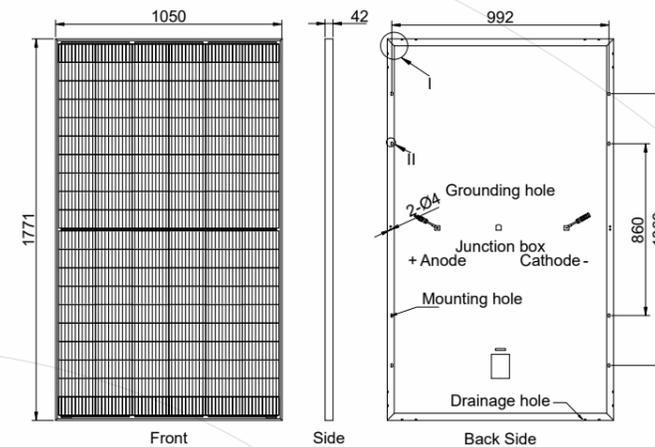
| | |
|-----------------|--|
| Cell type | Gallium-doped Mono c-Si PERC, Half-cut cells, 166 mm |
| No. of cells | 120 |
| Glass | 3.2 mm, high transmission, AR coated, tempered |
| Encapsulation | EVA |
| Back cover | White backsheet |
| Junction box | IP 68 rated |
| Frame | 42 mm anodized Aluminium alloy |
| Cable | 1 x 4 mm ² , 350 mm length or customized |
| Connectors | MC 4 / MC 4 compatible |
| Dimension | 1771 mm x 1050mm x 42 mm |
| Weight | 19.5 kg |
| Hail resistance | Max. Ø 25 mm at 23 m/s |
| Wind load | 2400 Pa/ 244 kg/ m ² |
| Mechanical load | 5400 Pa/ 550 kg/ m ² |

Packaging information

| | |
|-------------------------|--------------------------------|
| Packaging configuration | 26 Pallets - 27 pcs per pallet |
| Loading capacity | 702 pcs / 40 HQ |
| Size / Pallet | 1791 mm x 1090 mm x 1200 mm |
| Weight | 14417 kg / 40 HQ |

Temperature ratings

| | | |
|--------------------------------------|--------|------------|
| Operating temperature | (°C) | -40 to +85 |
| Temp.coefficient of P _{max} | (%/°C) | -0.37 |
| Temp.coefficient of V _{oc} | (%/°C) | -0.286 |
| Temp.coefficient of I _{sc} | (%/°C) | 0.057 |
| Nom. operating temp. NOCT | (°C) | 45 ± 2 |



| Electrical specifications (STC*): | EG-120M 370W | EG-120M 375W | EG-120M 380W | |
|-----------------------------------|-----------------------|--------------|--------------|-------|
| Nominal Max. Power | P _{max} (Wp) | 370 | 375 | 380 |
| Maximum operating voltage | V _{MPP} (V) | 34.4 | 34.6 | 34.8 |
| Maximum operating current | I _{MPP} (A) | 10.76 | 10.84 | 10.92 |
| Open-circuit voltage | V _{oc} (V) | 41.3 | 41.5 | 41.7 |
| Short-circuit current | I _{sc} (A) | 11.60 | 11.70 | 11.80 |
| Module efficiency | η (%) | 20.31 | 20.59 | 20.86 |
| Power tolerance | (W) | | 0~+5 | |
| Maximum system Voltage | (V) | | 1500 | |
| Maximum series fuse rating | (A) | | 20 | |

*STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

| Electrical specifications (NMOT*): | EG-120M 370W | EG-120M 375W | EG-120M 380W | |
|------------------------------------|-----------------------|--------------|--------------|-------|
| Nominal Max. Power | P _{max} (Wp) | 279 | 283 | 287 |
| Maximum operating voltage | V _{MPP} (V) | 32.40 | 32.60 | 32.80 |
| Maximum operating current | I _{MPP} (A) | 8.60 | 8.67 | 8.74 |
| Open-circuit voltage | V _{oc} (V) | 38.90 | 39.10 | 39.30 |
| Short-circuit current | I _{sc} (A) | 9.28 | 9.36 | 9.44 |

*NMOT: Normal Module Operating Temperature (Irradiance 800 W/m², Ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.

HIGH ENERGY YIELD
RELIABILITY
DURABILITY

MONO-CRYSTALLINE PV MODULES
FULL CELLS • MONO-FACIAL

370W-380W
EG-120M Series



IEC 61215
IEC 61730
Regular Production Surveillance
Type Tested and Monitored

IEC 62716 (Ammonia corrosion)
IEC 61701 (Salt mist corrosion)
IEC 60068 (Sand and dust)
IEC 62804 (PID resistance)

