



EMS-120MH

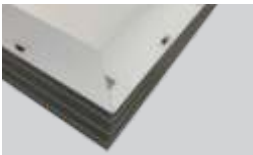
POWER RANGE
360W~380W

CELL SIZE
166*83mm



JUNCTION BOX

Waterproof protection grade:IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V
outstanding waterproof level ·
Effectively resist harsh environments



Frame

Strong machinical load
resistance up to 5400Pa
Anodic oxidation layer resistant to
chemical corrosion available
in silver and black



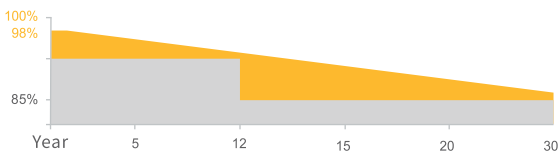
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QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY



12 YEARS Guarantee on product material and workmanship

30 YEARS Linear Power output warranty



Half-cut Technology

New circuit design, lower internal current and lower internal resistance loss



Significantly avoiding heat spot

The unique circuit design to reduce the temperature of heat spot significantly, so that to reduce the power loss and then increase the output of modules.



Lower cost

Increasing power generation can reduce the cost per kilowatt-hour



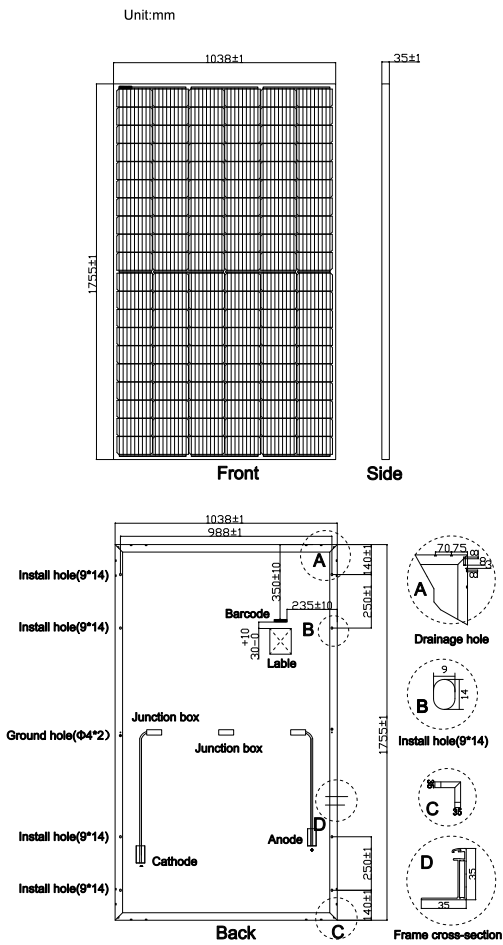
Excellent performance of PID resistance

The performance of PID resistance (Potential Induced Degradation) passed the standard of TUV Nord.

EMS-120MH



PV DRAWINGS



ELECTRICAL DATA (STC)

| Model Type | EMS-360W30MH | EMS-365W30MH | EMS-370W30MH | EMS-375W30MH | EMS-380W30MH |
|----------------------------|--------------|--------------|--------------|--------------|--------------|
| Peak Power(Pmax) | 360.00 | 365.00 | 370.00 | 375.00 | 380.00 |
| Maximum Power Voltage(Vmp) | 34.00 | 34.20 | 34.40 | 34.60 | 34.80 |
| Maximum Power Current(Imp) | 10.59 | 10.68 | 10.76 | 10.84 | 10.92 |
| Open Circuit Voltage(Voc) | 40.50±3% | 40.80±3% | 40.90±3% | 41.10±3% | 41.30±3% |
| Short Circuit Current(Isc) | 11.35±3% | 11.43±3% | 11.52±3% | 11.60±3% | 11.69±3% |
| Module Efficiency(%) | 19.76 | 20.03 | 20.31 | 20.58 | 20.85 |

* STC: irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

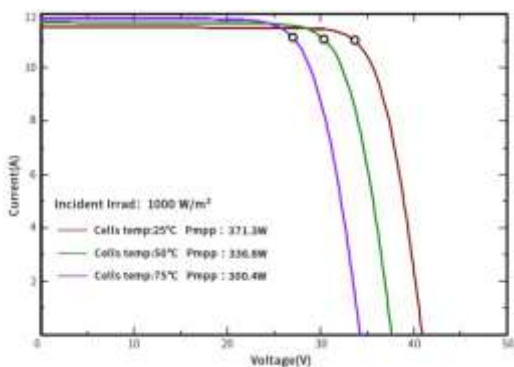
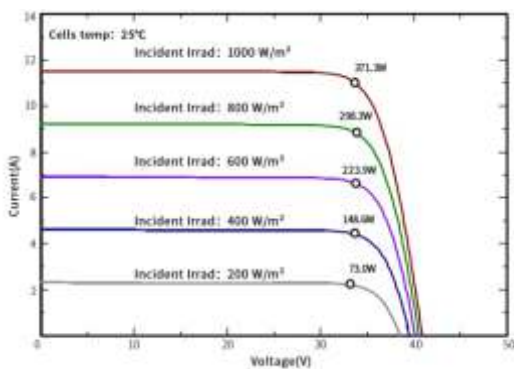
| Model Type | EMS-360W30MH | EMS-365W30MH | EMS-370W30MH | EMS-375W30MH | EMS-380W30MH |
|----------------------------|--------------|--------------|--------------|--------------|--------------|
| Peak Power(Pmax) | 268.80 | 272.60 | 276.30 | 280.00 | 283.80 |
| Maximum Power Voltage(Vmp) | 31.70 | 31.80 | 32.00 | 32.20 | 32.40 |
| Maximum Power Current(Imp) | 8.49 | 8.56 | 8.63 | 8.69 | 8.76 |
| Open Circuit Voltage(Voc) | 38.00±3% | 38.20±3% | 38.30±3% | 38.50±3% | 38.70±3% |
| Short Circuit Current(Isc) | 9.17±3% | 9.25±3% | 9.32±3% | 9.38±3% | 9.45±3% |

* NOCT: irradiance 800 W/m², AM 1.5, ambient temperature 20°C, wind speed 1 m/s

TEMPERATURE & MAXIMUM RATING

| | |
|--|-------------|
| Maximum System Voltage (V) | 1500 V |
| Maximum Series Fuse Rating (A) | 20 A |
| Power Tolerance | 0~+3 W |
| Pmax Temperature Coefficients (W/°C) | -0.350 %/°C |
| Voc Temperature Coefficients (V/°C) | -0.270 %/°C |
| Isc Temperature Coefficients (A/°C) | +0.048 %/°C |
| NOCT Nominal Operating Cell Temperature (°C) | 45±2 °C |
| Operating and Storage Temperature (°C) | -40~+85 °C |

IV CURVE (370W)



MECHANICAL CHARACTERISTICS

| | |
|------------------------|---|
| Cell Type | 166*83 Mono |
| No. of Cells | 120 (12*10) |
| Dimensions | 1755*1038*35mm |
| Weight | 19.50kg |
| Front Glass | 3.2mm high transmission, low iron, tempered glass |
| Frame | Anodized Aluminium Alloy |
| Junction box | IP67/IP68 3diodes |
| Output cables | 4mm ² cable 35cm (including MC4 connector) |
| MaxWind Load/Snow Load | 2400Pa/5400Pa |

PACKING WAY

| | |
|----------------|--------------------|
| 20FT container | 6 Packages/186pcs |
| 40HQ container | 26 Packages/858pcs |

