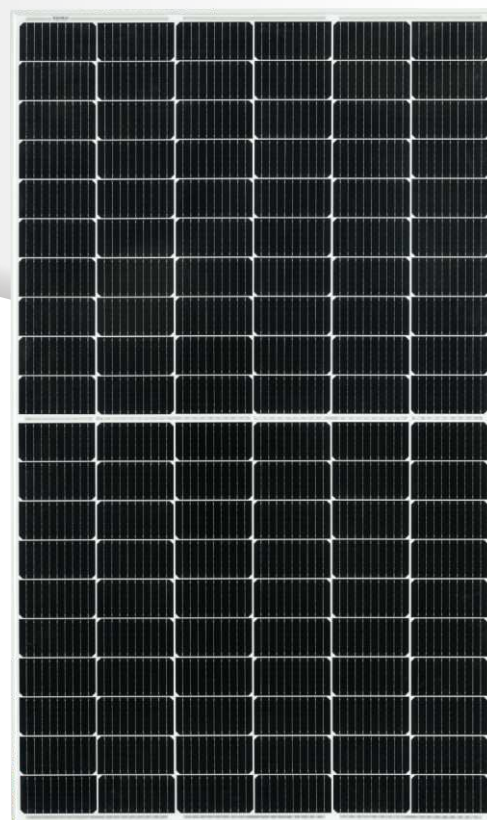
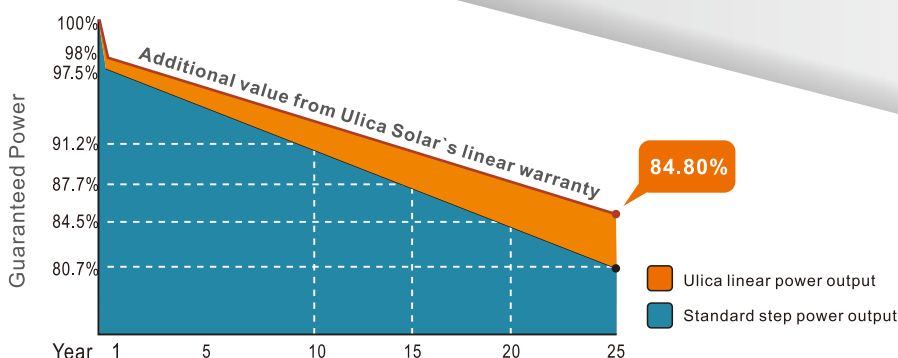


# MONO HALF-CUT MODULE UL-370 | 375 | 380M-120HV



## Anti-PID(potential induced degradation)

Passed anti-PID test under 85°C damp heat  
85% relative humidity for 96 hours



## Great Durability against extreme conditions

Passed salt mist corrosion test, ammonia corrosion test  
dust & sand test, fire test, all certified by TUV



## Lower LCOE

Lower shading and resistive loss  
Lower temperature coefficient



## Outstanding mechanical load resistance

2400 Pa wind load, 5400 Pa snow load



CEC Listed



- IEC 61215, IEC 61730
- ISO 9001: 2015 (Quality management systems)
- ISO 14001: 2015 (Environmental management systems)
- ISO 45001: 2018 (Occupational health and safety)
- UNI 9177 la CLASSE DI REAZIONE AL FUOCO:1



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## ELECTRICAL PERFORMANCE

Electrical Parameters Standard Test Conditions

| Module Type                 | UL-370M-120HV          | UL-375M-120HV | UL-380M-120HV |
|-----------------------------|------------------------|---------------|---------------|
| Power Output                | P <sub>max</sub> W 370 | 375           | 380           |
| Power Tolerance             | ΔP <sub>max</sub> W    | 0/+5          |               |
| Module Efficiency           | η m %                  | 20.31         | 20.59         |
| Voltage at P <sub>max</sub> | V <sub>m</sub> V       | 34.1          | 34.2          |
| Current at P <sub>max</sub> | I <sub>m</sub> A       | 10.85         | 10.96         |
| Open-Circuit Voltage        | V <sub>oc</sub> V      | 41.4          | 41.5          |
| Short-Circuit Current       | I <sub>sc</sub> A      | 11.41         | 11.53         |

STC:1000W/m<sup>2</sup> irradiance,25°C module temperature,AM1.5

## THERMAL CHARACTERISTICS

|                                             |      |      |        |
|---------------------------------------------|------|------|--------|
| Nominal Operating Cell Temperature          | NOCT | °C   | 43±2   |
| Temperature Coefficient of P <sub>max</sub> | γ    | %/°C | -0.340 |
| Temperature Coefficient of V <sub>oc</sub>  | β    | %/°C | -0.290 |
| Temperature Coefficient of I <sub>sc</sub>  | α    | %/°C | +0.049 |

## OPERATING CONDITIONS

|                             |            |
|-----------------------------|------------|
| Max.System Voltage          | DC1500V    |
| Max.Series Fuse Rating      | 20A        |
| Operating Temperature Range | -40°C~85°C |
| Max static snow load        | 5400Pa     |
| Max static wind load        | 2400Pa     |
| Application Class           | A          |

## CONSTRUCTION MATERIALS

|                                        |                                                                              |
|----------------------------------------|------------------------------------------------------------------------------|
| Front Cover(material/type/thickness)   | low-iron tempered glass/3.2mm                                                |
| Cell(quantity/material/type/dimension) | 120/monocrystalline/166X83mm                                                 |
| Encapsulant(material)                  | ethylene vinyl acetate(EVA)                                                  |
| Frame(material/anodization color)      | anodized aluminum alloy/silver or black                                      |
| Junction Box(protection degree)        | IP68                                                                         |
| Cable(length/cross-sectionalarea)      | 4mm <sup>2</sup><br>Landscape: (+) 1100mm/(-)1100 mm<br>or Customized Length |
| Plug Connector                         | MC4 compatible                                                               |

## GENERAL CHARACTERISTICS

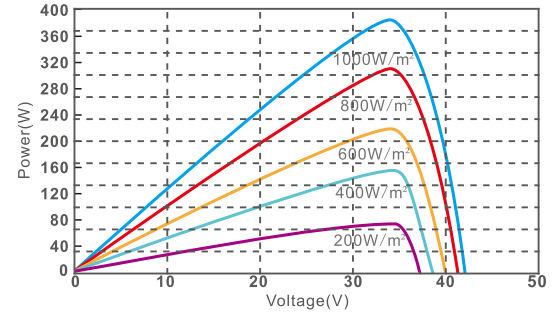
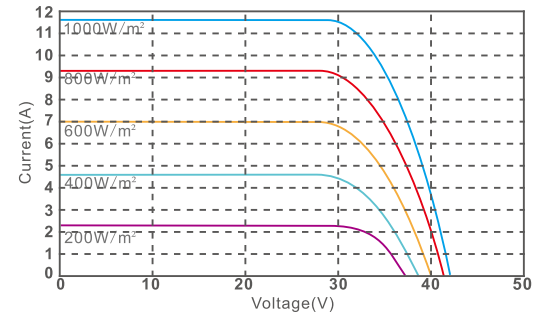
|                  |                |
|------------------|----------------|
| Dimension(L/W/H) | 1755/1038/30mm |
| Weight           | 20kg           |

## PACKING CONFIGURATION

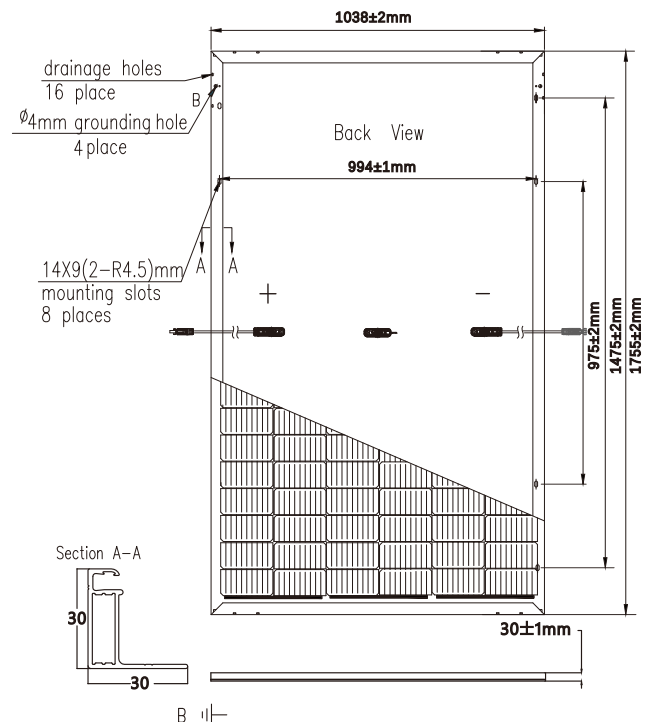
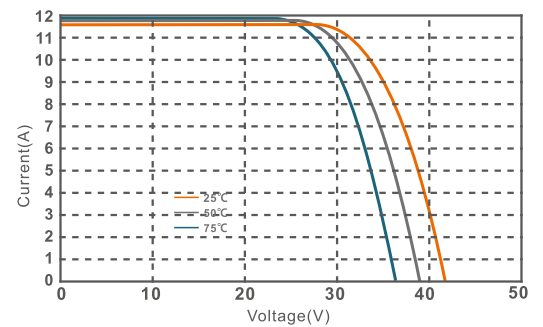
|                      |                  |
|----------------------|------------------|
| Pallet Size(L/W/H)   | 1795/1130/2350mm |
| Pallet Weight        | 1510kg           |
| Pieces per Pallet    | 72pcs            |
| Pieces per Container | 936pcs           |

## I-V CURVE

I-V characteristics at different irradiances (reference to 380 W)



I-V characteristics at different temperature



Specifications included in this datasheet are subject to change without notice.

Ulica Solar reserves the right of final interpretation.

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