UL-380M-120 HV

Under Shanshan Group, Top 500 Enterprise in China, Ningbo Ulica Solar Co., Ltd. produces our own high quality solar cells and modules starting from August 2005. Our product range covers all from off-grid panels to on-grid panels, both mono-crystalline and poly-crystalline, suitable for all types of installation from residential to commercial projects.

12% more power than conventional modules

Lower power degradation
Lower internal current
Lower hot spot temperature

Cell crack risk limited in small region, enhance the module reliability

Outstanding mechanical load resistance
Snow load 5400Pa (Frontside), and Wind load 3800Pa (Backside)

High performance under low light conditions
Cloudy days, Rainy days

Double EL test before and after lamination
Highly control the micro cracks and invisible defects.

World famous insurance
CHUBB(USA), Solar Insurance&Finance(Netherlands)

Additional value from Ulica Solar's linear warranty

12-year Limited Product Warranty

25-year Limited Performance Warranty

Certificate Holder Name: Ningbo Ulica Solar Co., Ltd

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Tel: +86-574-28828978 Fax: +86-574-28828997
Email: ulicasales@ulsolar.com.cn Web: www.ulicasolar.com
Manufacturer Country: China
**Remark:** Sorting tolerance as 0~5W in our factory.

**THERMAL CHARACTERISTICS**

- Nominal Operating Cell Temperature (NOCT) °C: 43 ± 2
- Temperature Coefficient of Pmax (Y) %/°C: -0.360
- Temperature Coefficient of Voc (βvoc) %/°C: -0.290
- Temperature Coefficient of Isc (βisc) %/°C: -0.049

**OPERATING CONDITIONS**

- Max. System Voltage: 1500V
- Max. Series Fuse Rating: 20A
- Operating Temperature Range: -40°C~85°C
- Max static snow load: 5400Pa
- Max static wind load: 3800Pa
- Safety Class: II
- Fire class rating: Class C

**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
- Junction Box (protection degree): IP68
- Cable (length/cross-sectional area): 400mm²/4mm²

**Plug Connector:** DC 1500PV-ZHH222BPV-JM01APC, Made in China

**GENERAL CHARACTERISTICS**

- Dimension (L/W/H): 1785x1048x35mm
- Weight: 25.2kg

**PACKING CONFIGURATION**

- Pallet Size (L/W/H): 1605/1120/2500mm
- Pallet Weight: 1393kg
- Pieces per Pallet: 62pcs
- Pieces per Container: 790pcs

**INTERNATIONAL CERTIFICATES**

- TÜV Süd, CE, JET, MCS, CCC, IMERTRO
- ISO9001: 2015
- ISO14001: 2015
- BS OHSAS 18001: 2007

Please read the installation manual in this entirety before handling, installing, and operating Ulica Solar modules. Due to continuous innovation, research and improvement, the specification is subject to change without prior notice.