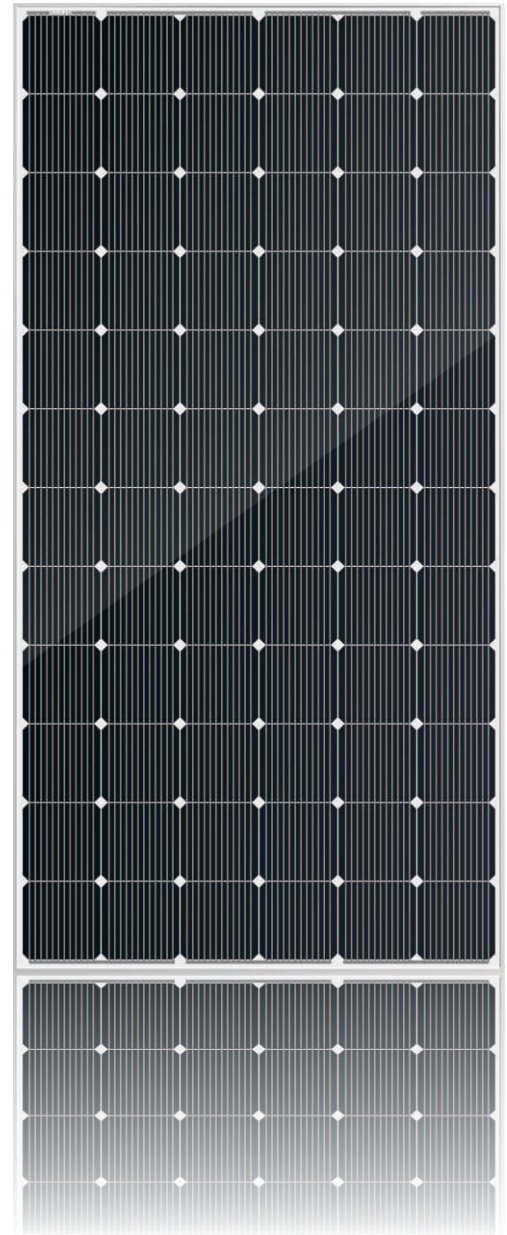


Ulica Solar is a subsidiary of Shanshan Co.,Ltd(SH.600884), Top 500 Enterprise in China. Ulica designs and manufactures high-quality solar cells and panels starting from August 2005. Its product line covers both mono and poly crystalline models, suitable for full range of projects from off-grid to on-grid, from residential to commercial.

**MONO 72CELL 12BB**



**12 Busbar (MBB) Module**  
Main busbar redesigned, more cell area, reduced power loss



**Positive power tolerance (0~+5W)**



**Outstanding mechanical load resistance**  
3800 Pa wind load, 5400 Pa snow load



**High performance under low light**  
Works at cloudy, rainy days



**Anti-PID (potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours



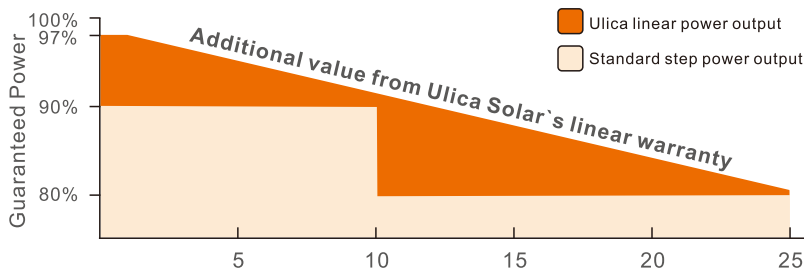
**Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust & sand test, fire test, all certified by TÜV



**Double electroluminescence (EL) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules



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



**12-year product warranty**  
**25-year linear power warranty**



# MONO 370W/375W/380W/385W

## ELECTRICAL PERFORMANCE

Electrical Parameters Standard Test Conditions

Module Type	UL-370M-72MBB	UL-375M-72MBB	UL-380M-72MBB	UL-385M-72MBB
Power Output	P <sub>max</sub> W 370	375	380	385
Power Tolerance	ΔP <sub>max</sub> W	0/+5W		
Module Efficiency	η <sub>m</sub> % 19.07	19.33	19.58	19.84
Voltage at P <sub>max</sub>	V <sub>m</sub> V 39.4	39.5	39.6	39.7
Current at P <sub>max</sub>	I <sub>m</sub> A 9.39	9.49	9.60	9.70
Open-Circuit Voltage	V <sub>oc</sub> V 48.2	48.4	48.5	48.6
Short-Circuit Current	I <sub>sc</sub> A 9.88	9.96	10.07	10.17

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

## THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT	°C	45±2
Temperature Coefficient of P <sub>max</sub>	γ	%/°C	-0.390
Temperature Coefficient of V <sub>oc</sub>	β <sub>voc</sub>	%/°C	-0.290
Temperature Coefficient of I <sub>sc</sub>	α <sub>isc</sub>	%/°C	+0.049

## OPERATING CONDITIONS

Max. System Voltage	1000V/1500V
Max. Series Fuse Rating	15A
Operating Temperature Range	-40°C~85°C
Max static snow load	5400Pa
Max static wind load	3800Pa
Application Class	A

## CONSTRUCTION MATERIALS

Front Cover(material/type/thickness)	low-iron tempered glass/3.2mm
Cell(quantity/material/type/dimension)	60/monocrystalline/ 156.75x156.75mm
Encapsulant(material)	ethylene vinyl acetate(EVA)
Frame(material/anodization color)	anodized aluminum alloy/silver or black
Junction Box(protection degree)	IP67
Cable(length/cross-sectional area)	900mm/4mm <sup>2</sup>
Plug Connector	MC4 compatible

## GENERAL CHARACTERISTICS

Dimension(L/W/H)	1956/992/40mm
Weight	21.5kg

## PACKING CONFIGURATION

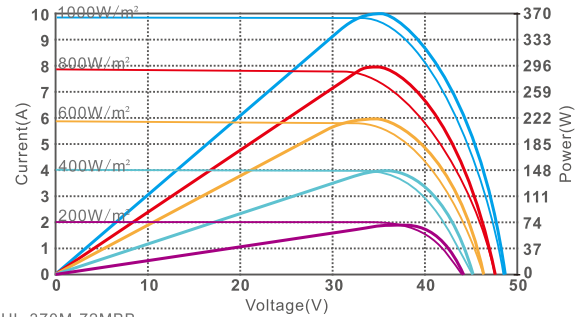
Pallet Size(L/W/H)	1990/1100/2450mm
Pallet Weight	1305kg
Pieces per Pallet	56pcs
Pieces per Container	672pcs

## INTERNATIONAL CERTIFICATES

- TÜV SÜD, TÜV NORD, UL, CE, JET, CEC, MCS, CQC, IMERTRO, NRE, KS
- ISO9001:2015
- ISO14001:2015
- BS OHSAS 18001:2007

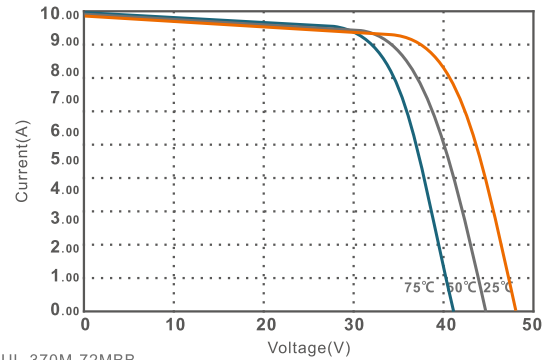
## I-V CURVE

I-V characteristics at different irradiances

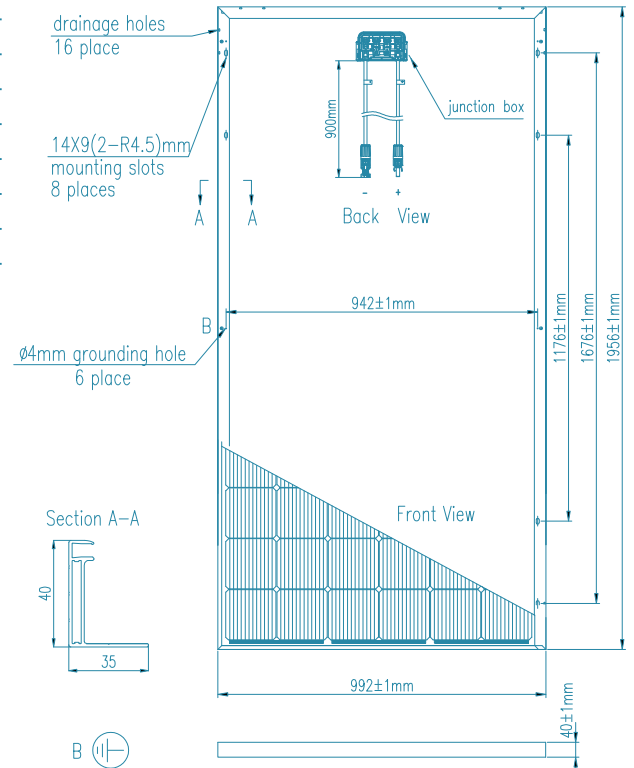


UL-370M-72MBB

I-V characteristics at different temperature



UL-370M-72MBB



Please read the instruction entirely before handling, installing and operating Ulica Solar modules.

Due to continuous research and development, the specification is subject to change without prior notice.