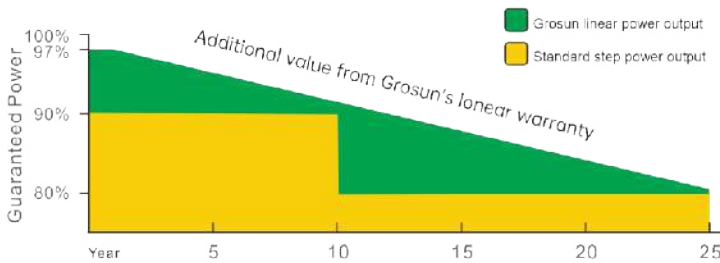




MONO MODULE GS-M72-5BB 380-395W

About Grosun Solar: Grosun New Energy Technology Co.,Ltd—Chinese leading producer of Solar PV products and Solar power system. We manufacture high efficiency, superior affordable Photovoltaic panels. Our downstream business includes solar photovoltaic project development, design, EPC construction, operation & maintenance and one-stop system integration solutions for customers.



GS-M72-5BB 380-395W



PRODUCT CHARACTERISTICS



Higher Conversion Efficiency

With new generation of PERC technology, the average conversion efficiency of the cells could reach 21.9%



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

MONO MODULE GS-M72-5BB 380-395W

ELECTRICAL PERFORMANCE

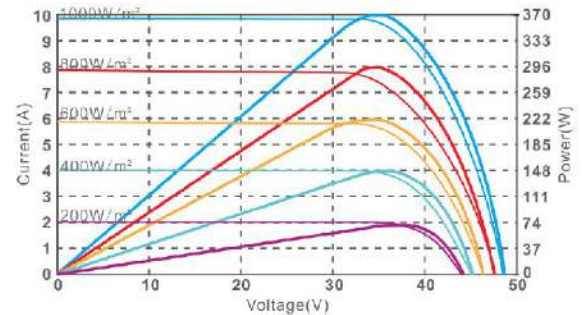
Electrical Parameters Standard Test Conditions

Module Type			GS-M72-5BB 380-395W			
Power Output	P _{max}	W	380W	385W	390W	395W
Power Tolerance	ΔP _{max}	W	0/+5%			
Module Efficiency	η _m	%	19.2	19.4	19.7	19.9
Voltage at P _{max}	V _m	V	40.2	40.4	40.6	40.7
Current at P _{max}	I _m	A	9.43	9.53	9.61	9.71
Open-Circuit Voltage	V _{oc}	V	48.7	48.9	49.1	42
Short-Circuit Current	I _{sc}	A	10.06	10.11	10.16	10.23

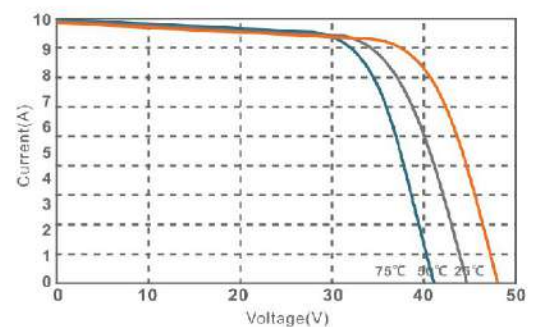
STC:1000w/m² irradiance,25C module temperature,AM1.5

I-V CURVE

I-V characteristics at different irradiances



I-V characteristics at different temperature



THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT	°C	45±2
Temperature Coefficient of P _{max}	γ	%/°C	-0.390
Temperature Coefficient of V _{oc}	β _{voc}	%/°C	-0.330
Temperature Coefficient of I _{sc}	α _{isc}	%/°C	+0.049

OPERATING CONDITIONS

Max. System Voltage	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

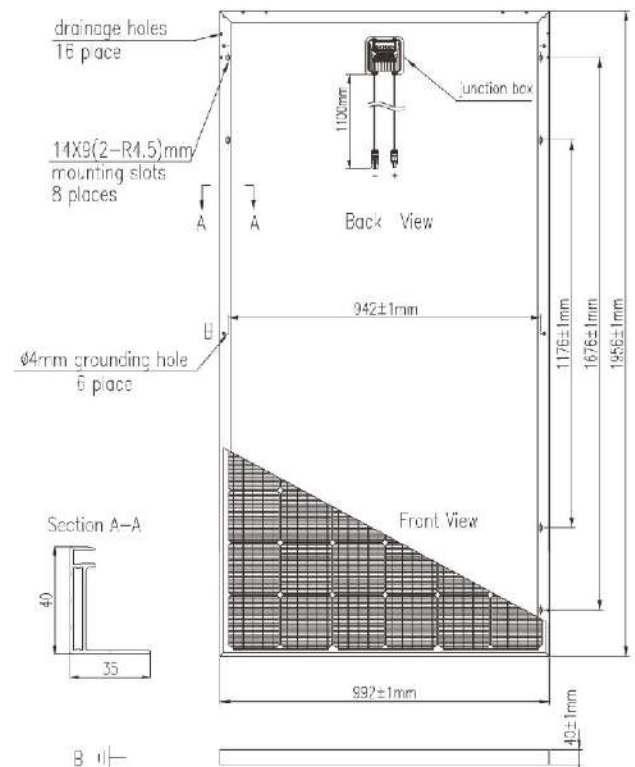
Front Cover(material/type/thickness)	low-iron tempered glass/3.2mm
Cell(quantity/material/type/dimension)	72/monocrystalline/156.75x156.75mm
Encapsulant(material)	ethylene vinyl acetate(EVA)
Frame(material/anodization color)	anodized aluminum alloy/silver or black
Junction Box(protection degree)	IP68
Cable(length/cross-sectional area)	1100mm/4mm ²
Plug Connector	MC4 compatible

GENERAL CHARACTERISTICS

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

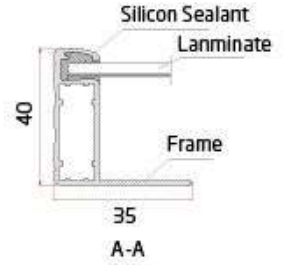
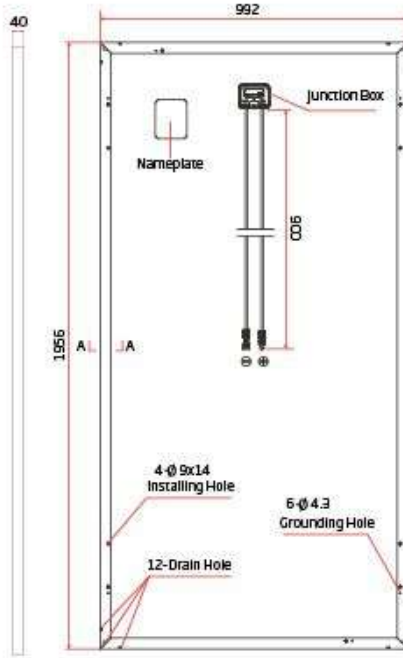
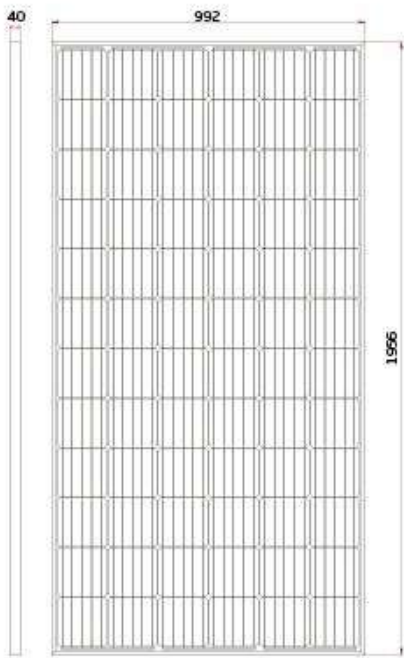
PACKING CONFIGURATION

Pallet Size(L/W/H)	1990/1120/2450mm
Pallet Weight	1307kg
Pieces per Pallet	52pcs+4pcs
Pieces per Container	672pcs

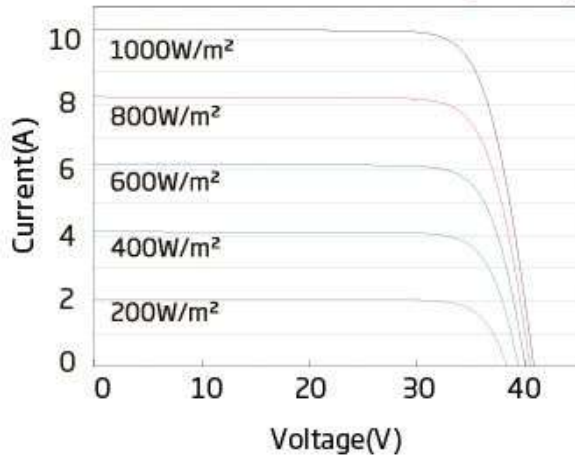


Please read the instruction entirely before handling, installing and operating Ulica Solar modules.

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



I-V CURVES OF PV MODULE(400W)



P-V CURVES OF PV MODULE(400W)

