

UL-230P-60

ulica solar
LEADING IN TECHNOLOGY

Enjoy a sunny life!



Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



Guaranteed power output (0~+3%)



High performance under low light conditions
(Cloudy days ,mornings and evenings)



Independently certified by international certification bodies*, plus the Salt Mist Corrosion certificate and Ammonia Corrosion certificate.



Manufactured according to International Quality and Environment Management System(ISO 9001:2008,ISO 14001:2004,BS OHSAS 18001:2007)



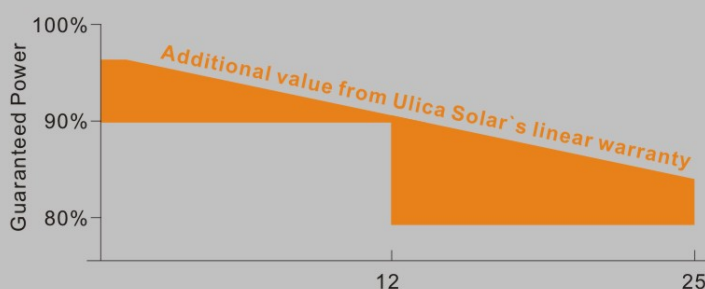
Black frame and black sheet are optional with aesthetic module appearance



NEW

Linear performance warranty

10 year product warranty
25 year linear power warranty



- 10-year limited product warranty¹.

- Limited power warranty: 12 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output.

¹In compliance with our warranty Terms and Conditions

*CE, IEC61215/61730, TUV, UL, ISO, MCS, CEC, PV CYCLE



UL-230P-60



ELECTRICAL PERFORMANCE

Electrical parameters Standard Test Conditions (STC)

Module type		UL-230P-60		
Power output	P _{max}	W	230	
Power tolerance	ΔP _{max}	%	0~+3	
Cell efficiency	η _m	%	15.8	
Module efficiency	η _m	%	14.1	
Voltage at P _{max}	V _m	V	30.0	
Current at P _{max}	I _m	A	7.67	
Open-Circuit Voltage	V _{oc}	V	36.7	
Short-Circuit Current	I _{sc}	A	8.34	

STC:1000W/m² irradiance,25° C module temperature, AM 1.5g spectrum.

THERMAL CHARACTERISTICS

Nominal operation cell temperature	NOCT	°C	45±2
Temperature coefficient of P _{max}	γ	% °C	-0.403
Temperature coefficient of V _{oc}	β _{voc}	% °C	-0.330
Temperature coefficient of I _{sc}	α _{isc}	% °C	+0.065

OPERATING CONDITIONS

Max.system voltage	1000V
Max.series fuse rating	15A
Operating temperature range	-40°C~85°C
Max.static load,front(e.g.,snow and wind)	5400Pa
Max.static load,back(e.g.,wind)	2400Pa

CONSTRUCTION MATERIALS

Front cover(material/type/thickness)	low-iron tempered glass/3.2mm
Cell(quantity/material/type/dimension)	60/Polycrystalline/156mmx156mm
Encapsulant(material)	ethylene vinyl acetate(EVA)
Frame(material/anodization color)	anodized aluminum alloy/clear
Junction box(protection degree)	IP65
Cable(length/cross-sectionl area)	900mm/4mm ²
Plug connector	MC4 compatible

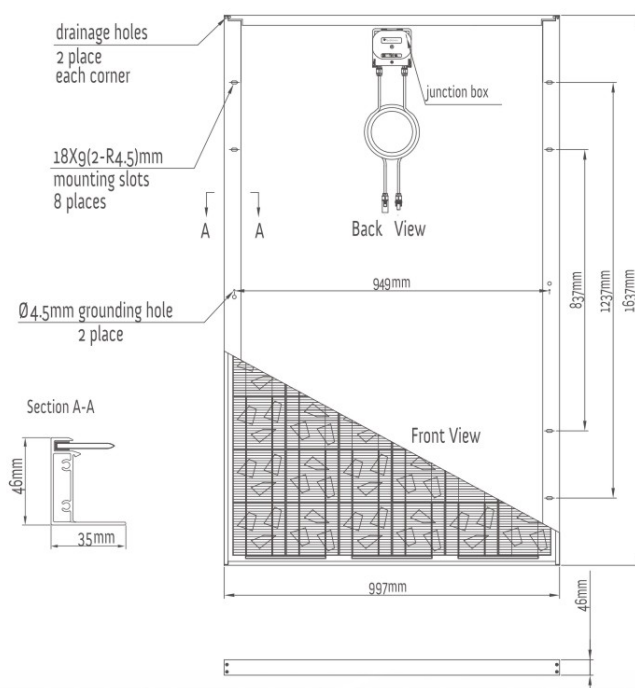
- Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed.
- The data do not refer to a single module and they are not part of the offer, they only serve for the comparison to different module types.

GENERAL CHARACTERISTICS

Dimension(L/W/H)	1637mm/997mm/46mm
Weight	19.0kg

PACKING CONFIGURATION

Pieces per pallet	48
Pallets per container	13
Pieces per container	624



Please read the instruction manual in this entirety before handing, installing, and operating Ulica Solar modules.

Our partner: