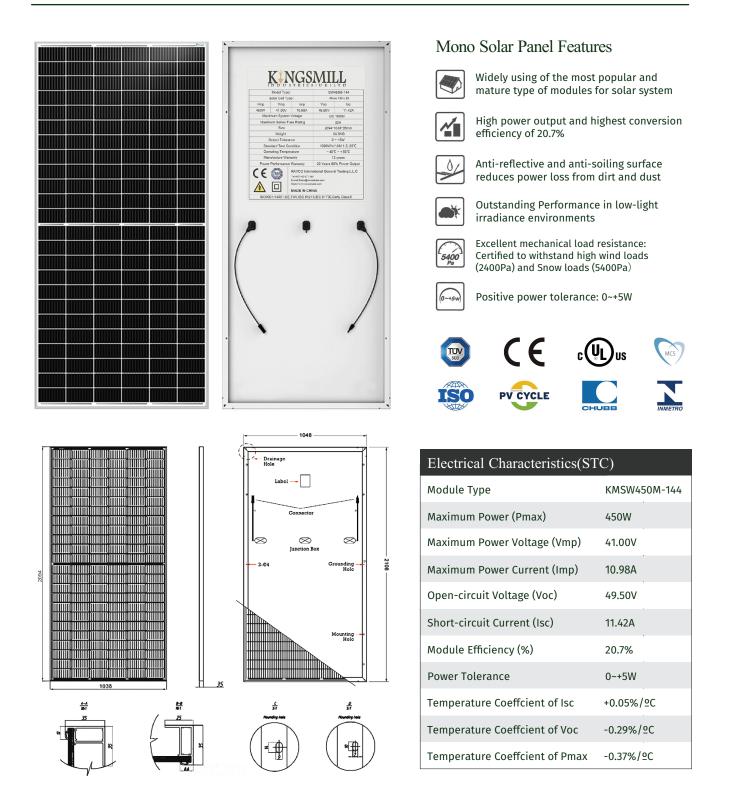
Introduction

450W Photovoltaic Solar Panels are certified for the most challenging environmental conditions. This 450W Photovoltaic high-power monocrystalline solar panel operates at 20.7% efficiency to maximize the light absorption area.

Product Options





Product Features

Reliable Quality

Positive power tolerance: 0~+5W

100% EL Double-inspection ensures modules are defects free

Modules Binned by Current to improve system performance

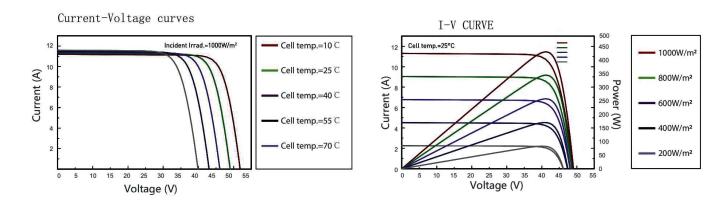
Potential induced Degradation (PID) Resistant

100% 🖵					
97%		Ad	ded Value Fro	om Warrant	y
000/					
90%					
80%					
0	6	12	18	24	30 Year

Mechanical Parameters				
Cell(mm)	9BB Mono 166*83			
Weight(kg)	24.5kg			
Glass Thickness	3.2mm,Low Iron Tempered Glass			
Dimensions (L*W*H)(mm)	2094*1038*35mm			
Cable Cross Section Size (mm ²)	4			
Cable Cross Section Length (mm)	300			
No.of Cells and Connections	144(6*24)			
Junction Box	IP67/68,3 Diodes			
Connector	MC4 Compatiple			

Working Conditions	
Maximum System Voltage	DC 1500V
Operating Temperature	-40°C~ +85°C
Maximum Series Fuse	20A
Maximum Static Load,Front (e.g.,snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load,Back (e.g.,wind)	2400Pa (50 lb/ft ²)
NOCT	44±2°C
Positive power tolerance	$0 \sim +5W$
Application Class	Class A

I-V Curve



Product Features

GLASS

- Antireflective glass
 Translucency of normal luminance is increased by 2%
 Module efficiency is increased by 2%
 Self-cleaning option
- •Service life as long as 25 years (30 years optional)

SOLAR CELL

High efficiency PV cells
Appearance consistency
Color sorting ensure consistent appearance on each module
Anti-PID

FRAME

Conventinal frame
Boost bearing capability and prolong service life
Serrated-clip design tensile strength
Seal-lip design glue injection







JUNCTION BOX

- •Conventional standalone edition and engineering custom edition
- •Quality diode ensures module running safety
- •IP67 protection level
- Heat dissipation
- Long service life



More Information

All with A Grade for on-grid & off-grid use for residential and public rooftop and ground mounting Solar panels are a clean source of energy that use the sun's rays to convert them into electricity or heat.

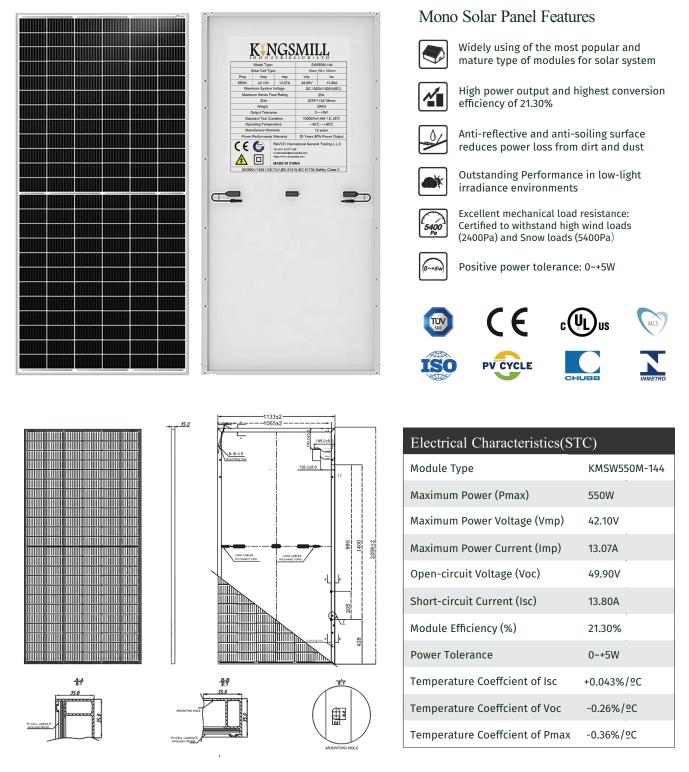
Our clean energy solutions provide electrical power as a way to decarbonize and transition to clean energy in our mission to combat climate change.



Introduction

550W Photovoltaic Solar Panels are certified for the most challenging environmental conditions. This 550W Photovoltaic high-power monocrystalline solar panel operates at 21.30% efficiency to maximize the light absorption area.

Product Options





Product Features

Warranty
12 years for product defects in materials & workmanship
12 years for 90% of warranted minimum power output
30 years for 80% of warranted minimum power output
30 years liner warranty

Reliable Quality

Positive power tolerance: 0~+5W

100% EL Double-inspection ensures modules are defects free

Modules Binned by Current to improve system performance

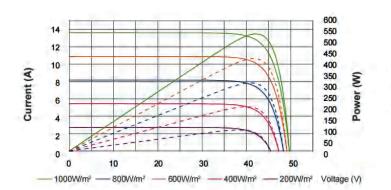
Potential induced Degradation (PID) Resistant

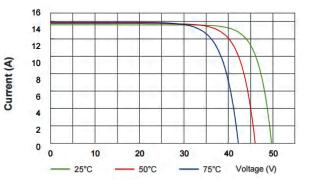
100%						
97%			Added	Value From	Warranty	
90%					· -	
80%			_			
2	11					
	0	6	12	18	24	30 Year

Mechanical Parameters				
Cell(mm)	Mono 182*182mm			
Weight(kg)	29kg			
Glass Thickness	3.2mm, AR Coating Tempered Glass			
Dimensions (L*W*H)(mm)	2279*1134*35mm			
Cable Cross Section Size (mm ²)	4			
Cable Cross Section Length (mm)	300			
No.of Cells and Connections	144(6*24)			
Junction Box	IP67			
Connector	MC4 Compatiple			

Working Conditions	
Maximum System Voltage	DC 1000V/1500V(IEC)
Operating Temperature	-40°C~ +85°C
Maximum Series Fuse	25A
Maximum Static Load,Front (e.g.,snov	w and wind) 5400Pa (112 lb/ft ²)
Maximum Static Load,Back (e.g.,wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Positive power tolerance	$0 \sim +5W$
Application Class	Class A

I-V Curve







Product Features

GLASS

- Antireflective glass
 Self-cleaning function
 Module efficiency is increased by 2%
 Service life as long as 25 years (30 years optional)
- •Translucency of normal luminance is increased by 2%

SOLAR CELL

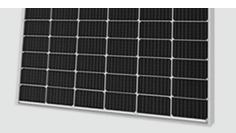
- •Uniform color
- •High PID resistant
- •Low breakage rate
- High stunt-resistance
- •High model efficiency up to 20%

FRAME

- Conventinal frame
- •Seal-lip design glue injection
- •Serrated-clip design tensile strength
- ·Boost bearing capability and prolong service life

JUNCTION BOX

- •Heat dissipation
- Long service life
- >IP67 protection level
- Innovative Full-Glue-Filled
- •Waterproofness Junction Box









More Information

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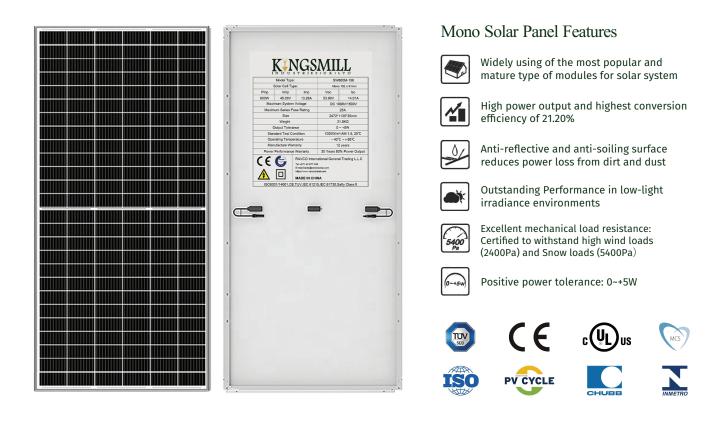
Our clean energy solutions provide electrical power as a way to decarbonize and transition to clean energy in our mission to combat climate change.

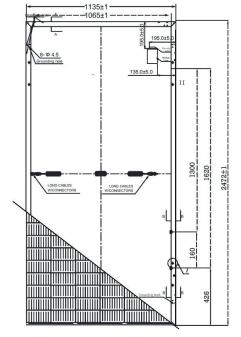


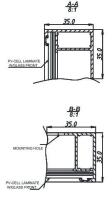
Introduction

600W Photovoltaic Solar Panels are certified for the most challenging environmental conditions. This 600W Photovoltaic high-power monocrystalline solar panel operates at 21.20% efficiency to maximize the light absorption area.

Product Options









Electrical Characteristics(STC)				
Module Type	KMSW600M-156			
Maximum Power (Pmax)	600W			
Maximum Power Voltage (Vmp)	45.00V			
Maximum Power Current (Imp)	13.26A			
Open-circuit Voltage (Voc)	53.90V			
Short-circuit Current (Isc)	14.01A			
Module Efficiency (%)	21.20%			
Power Tolerance	0~+5W			
Temperature Coeffcient of Isc	+0.05%/ºC			
Temperature Coeffcient of Voc	-0.29%/ºC			
Temperature Coeffcient of Pmax	-0.37%/ºC			



Product Features

Warranty
12 years for product defects in materials & workmanship
12 years for 90% of warranted minimum power output
25 years for 80% of warranted minimum power output
25 years liner warranty

Reliable Quality

Positive power tolerance: 0~+5W

100% EL Double-inspection ensures modules are defects free

Modules Binned by Current to improve system performance

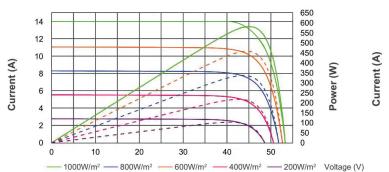
Potential induced Degradation (PID) Resistant

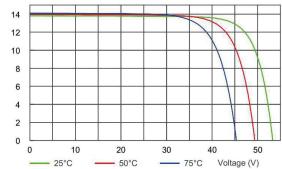
100% 97%			Added	Value From	Warranty	
90% -						
80%					-	
()	6	12	18	24	30 Year

Mechanical Parameters				
Cell(mm)	10BB Mono 182*91			
Weight(kg)	31.5kg			
Glass Thickness	3.2mm (0.13inches), Tempered AR Glass			
Dimensions (L*W*H)(mm)	2472*1135*35mm			
Cable Cross Section Size (mm ²)	4			
Cable Cross Section Length (mm)	300			
No.of Cells and Connections	156(6*26)			
Junction Box	IP68, with Bypass Diodes			
Connector	MC4 Compatiple			

Working Conditions	
Maximum System Voltage	DC 1000V/1500V
Operating Temperature	-40°C~ +85°C
Maximum Series Fuse	25A
Maximum Static Load,Front (e.g.,snow and w	vind) 5400Pa (112 lb/ft²)
Maximum Static Load,Back (e.g.,wind)	2400Pa (50 lb/ft ²)
NOCT	44 ± 2°C
Positive power tolerance	0~ +5W
Application Class	Class A

I-V Curve





600W PHOTOVOLTAIC SOLAR PANEL

Product Features

MULTI BUSBAR TECHNOLOGY

Improves efficiency of modulesOffers better appearance

FRAME

Conventinal frame

•Boost bearing capability

HALF CUT TECHNOLOGY

Under the same shadow condition
Lower power loss than full cell

•Prolong service life

•Serrated-clip design tensile strength

SPLIT JUNCTION BOX

Reduced internal power lossEnsures model running safety



More Information

All with A Grade for on-grid & off-grid use for residential and public rooftop and ground mounting Solar panels are a clean source of energy that use the sun's rays to convert them into electricity or heat.

Our clean energy solutions provide electrical power as a way to decarbonize and transition to clean energy in our mission to combat climate change.

