

KING KONG PRO SERIES SOLAR PANELS

GSDS-YWET100-20A

100W20V

Grade A high-efficiency
monocrystalline silicon
laminated solar panel

Patent Number :

ZL 2024 2 0137117.3

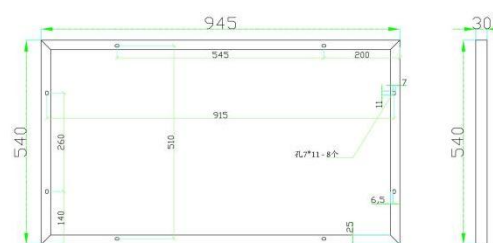
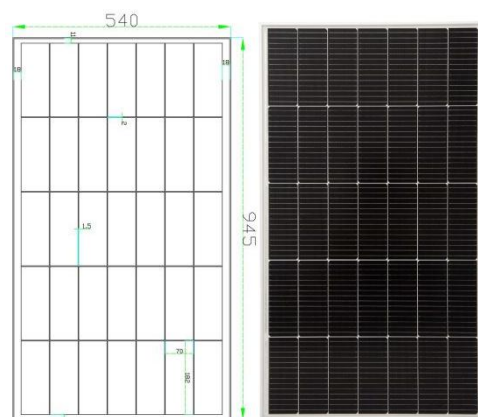


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The King Kong PRO solar panels adopts an original distributed diode technology. Under the same shading conditions, it has the advantage of higher output power compared to common modules. It is encapsulated with 3.2mm ultra-white tempered glass and protected by an aluminium alloy frame. There are screw holes for installation on the frame, which can be used for planar installation. (For specific performance, please refer to the "Power Comparison Test Report of King Kong PRO Module and Conventional Solar panels")



MECHANICAL PARAMETERS

Cells configuration	5×7
Junction box	Split type junction box, Five diodes
Output Cables	2.5mm ² , The positive and negative electrodes are both 300 mm
Glass Type	3.2mm Tempering、Ultra white
Frame	Anodized aluminum alloy frame
Net weight	5.3Kg
Size	945*540*30mm

ELECTRICAL PERFORMANCE PARAMETERS

Cell type	TOPCON Monocrystalline
Model	GSDS-YWET100-20A
Standard power	102.71W
Peak voltage (V _{mp})	21.05V
Peak Current (I _{mp})	4.88A
Open Circuit Voltage	23.80V
Short Circuit Current	5.16A
Test standards	STC : AM1.5 1000W/m ² 25°C

WORKING PARAMETERS

OTR	- 40°C — +80°C
Power Tolerance	±2%
System Voltage	DC1000V
Maximum fuse rating	20A
Nominal temperature	45±2°C
Safety Class	Class II
Fire resistance rating	Class C

LOAD CAPACITY

Front static load	3600Pa
Rear static load	2400Pa
Hail Impact test	Diameter: 25mm, Impact speed: 23m/s

TEMPERATURE COEFFICIENT

TC Power	- 0.30%/°C
TC Voltage	- 0.28%/°C
TC Current	+0.05%/°C