

KING KONG NR SERIES SOLAR PANELS

GSMO-YPSS160-45A

160W45V

Grade A high-efficiency
monocrystalline silicon
laminated solar panel



XI'AN GO SOLARV NEW ENERGY
TECHNOLOGY CO., LTD.

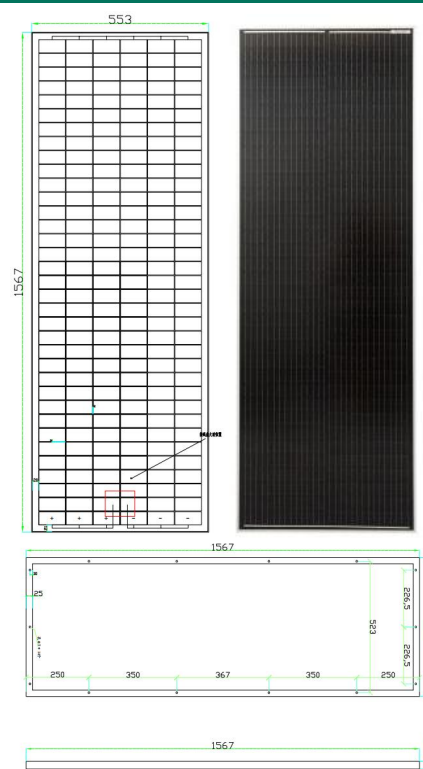
Committed to diverse applications of PV



The Kingkong NR Series modules are standard monocrystalline solar panels, integrating high-efficiency PERC monocrystalline cells with a conversion efficiency of over 23%. Encapsulated in 3.2mm ultra-clear tempered glass, these panels benefit from a mature manufacturing process, ensuring stable power output and exceptional durability. Under standard test conditions (STC), the power retention rate is guaranteed to be $\geq 90\%$ after 10 years and $\geq 80\%$ after 20 years.

MECHANICAL PARAMETERS

Cells configuration	6×35
Junction box	Single-cell junction box, Two diodes
Output Cables	Customized according to requirements
Glass Type	3.2mm Tempering、Ultra white
Frame	Anodized aluminum alloy frame
Net weight	8.9Kg
Size	1567*553*30mm



ELECTRICAL PERFORMANCE PARAMETERS

Cell type	PERC Monocrystalline
Model	GSMO-YPSS160-45A
Standard power	163.04W
Peak voltage (Vmp)	43.95V
Peak Current (Imp)	3.71A
Open Circuit Voltage	51.67V
Short Circuit Current	4.03A
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	10A
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