

KING KONG EC SERIES SOLAR PANELS

GSMO-YWET100-20A

100W20V

Grade A high-efficiency
monocrystalline silicon
laminated solar panel

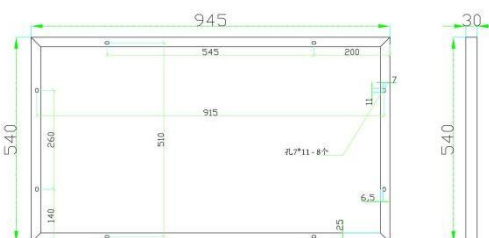
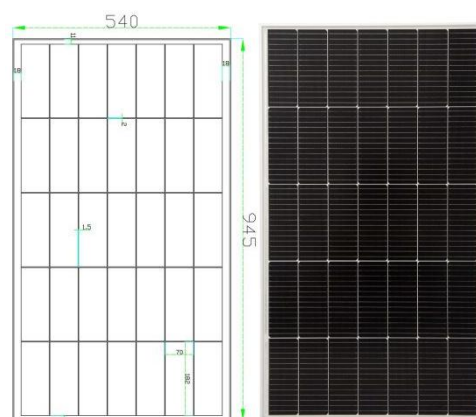


XI'AN GO SOLARV NEW ENERGY
TECHNOLOGY CO., LTD.

Committed to diverse applications of PV



The Kingkong EC series consists of standard monocrystalline photovoltaic modules featuring TOPCON solar cells, which increase power output per unit area. Built with tempered glass and an aluminum alloy frame, these durable modules offer strong mechanical performance and operate stably in diverse environments with high efficiency. They also show minimal power degradation—retaining at least 90% of initial output after 10 years and 80% after 20 years. With excellent reliability and long-term performance, they are ideal for a wide range of applications.



MECHANICAL PARAMETERS

Cells configuration	5×7
Junction box	Single-cell junction box, Two diodes
Output Cables	2.5mm ² , The positive and negative electrodes are both 900 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	GSMO-YWET100-20A
Standard power	101.45W
Peak voltage (V _{mp})	20.99V
Peak Current (I _{mp})	4.83A
Open Circuit Voltage	23.73V
Short Circuit Current	5.10A
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