

DREAM SERIES SOLAR PANELS

GSDM-BWET100-20A

100W20V

Grade A high-efficiency
monocrystalline silicon
laminated solar panel
Patent Number :
ZL 2024 2 0080253.3

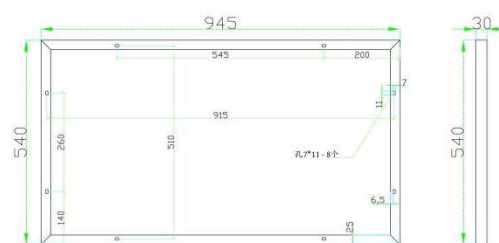
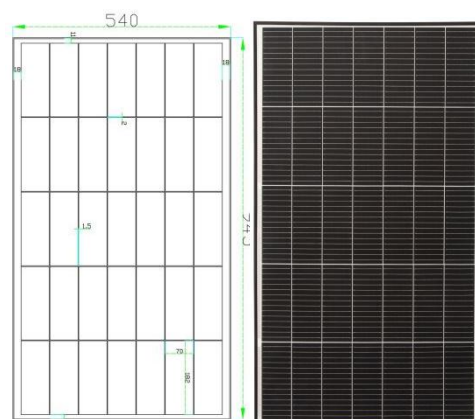


XI'AN GO SOLARV NEW ENERGY
TECHNOLOGY CO., LTD.

Committed to diverse applications of PV



The Dream series solar panels use GO SolarV's latest encapsulation patent technology to enhance solar panel integrity.. They are highly rigid, lightweight, shock-resistant, and have excellent heat dissipation. After encapsulation, the DREAM panels weigh only 40% to 50% of the same power glass-encapsulated panels, making them highly suitable for use in RV solar power systems. Tests have shown that even when installed on the roof of a vehicle traveling at high speeds and experiencing severe vibrations, the Dream series solar panels will not develop hidden cracks over long-term use.



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	No glass, ETFE encapsulation
Frame	Anodized aluminum alloy frame
Net weight	3.2Kg
Size	945*540*30mm

ELECTRICAL PERFORMANCE PARAMETERS

Cell type	TOPCON Monocrystalline
Model	GSDM-YWET100-20A
Standard power	97.83W
Peak voltage (Vmp)	23.23V
Peak Current (Imp)	4.21A
Open Circuit Voltage	27.55V
Short Circuit Current	4.44A
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