

# SOFT GOLD SERIES FLEXIBLE SOLAR PANELS

GGFM-NWSS105-20A

105W20V

Grade A high-efficiency  
monocrystalline silicon  
laminated solar panel

Patent number :

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

Committed to diverse applications of PV



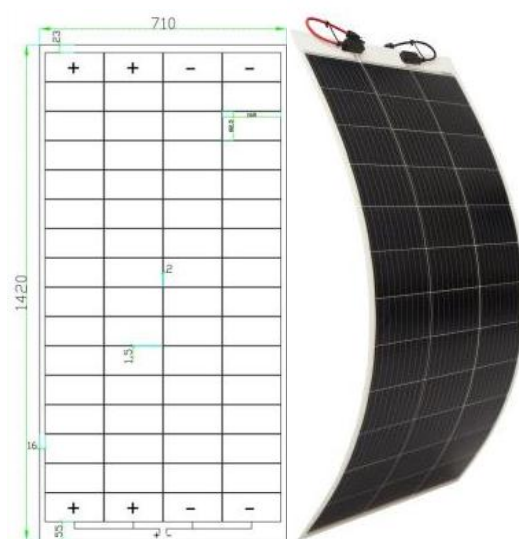
# GGFM-NWSS105-20A

# 105W20V

# PERC

With unique packaging technology of bending components, its structure is stable, bending curvature up to 270°/m, light weight, can be used for curved surface installation, improve installation power. The surface is encapsulated with ETFE material, anti-UV, anti-corrosion, with stronger weather resistance and longer service life.

Solar cells can be chosen from PERC or TOPCON.



## MECHANICAL PARAMETERS

Cells configuration	3×12
Junction box	Split type junction box, Two diodes
Output Cables	4mm <sup>2</sup> ,The positive and negative electrodes are both 300 mm
Surface Material	ETFE
Frame	No frame
Net weight	1.85Kg
Size	1100×540×2mm

## ELECTRICAL PERFORMANCE PARAMETERS

Cell type	PERC Monocrystalline
Model	GGFM-NWSS105-20A
Standard power	109.75W
Peak voltage (Vmp)	22.59V
Peak Current (Imp)	4.86A
Open Circuit Voltage	27.12V
Short Circuit Current	5.30A
Test standards	STC : AM1.5 1000W/m <sup>2</sup> 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