

## Sunpro **Max** Series

TOPCon Bifacial Agri-PV Module

**285-300W**

Power Output

**15.01%**

Module Efficiency



40% High  
Transparency



Eco-Friendly



More  
Economical



Bifacial power  
generation

### CERTIFICATE



Ariel Green



### WARRANTY

Quality  
Guarantee **25**  
years

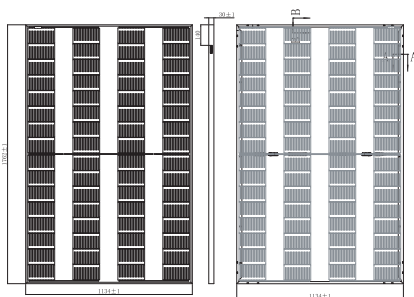
Power  
Warranty **30**  
years

# SPDG (285/300W)-N64R12

## STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	1762x1134x30mm
Weight	23.8kg
Cell	64 cells,N type Mono-Crystalline,182.2mm×105mm
Front glass	2.0mm,Ultra clear embossed double layer colorless glass
Back glass	2.0mm,Glazed tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68,3 bypass diodes
Output wire	4mm <sup>2</sup>
Wire length	Line length 1100mm/customized
Connector	MC4 compatible
Packing Specification	36 pcs/Pallet;936 pcs/40' HQ

## MODULE DIMENSIONS(MM)



## ELECTRIC CHARACTERISTICS

Model of modules	SPDG285-N64R12		SPDG290-N64R12		SPDG295-N64R12		SPDG300-N64R12	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power ( Pmax/W )	285.00	215.60	290.00	219.60	295.00	223.60	300.00	227.60
Maximum power voltage ( Vmp )	19.25	18.10	19.48	18.40	19.71	18.60	19.94	18.80
Maximum power current ( Imp )	14.81	11.92	14.89	11.97	14.97	12.04	15.05	12.10
Open circuit voltage ( Voc )	23.09	21.90	23.37	22.20	23.63	22.40	23.88	22.70
Short circuit current ( Isc )	15.68	12.62	15.75	12.68	15.83	12.74	15.89	12.79
Module efficiency	14.26%		14.51%		14.76%		15.01%	

**STC** ( Electrical parameters at standard test conditions (STC:AM=1.5,1000W/m<sup>2</sup>,Cells Temperature25°C )

**NMOT** ( Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C,AM1.5,Wind Speed 1m/s )

## ELECTRICAL CHARACTERISTICS WITH 15% REAR SIDE POWER GAIN

Front power Pmax/W	327.75	333.50	339.25	345.00
Maximum power voltage ( Vmp )	19.25	19.48	19.71	19.94
Maximum power current ( Imp )	17.03	17.12	17.21	17.30
Open circuit voltage ( Voc )	23.09	23.37	23.63	23.88
Short circuit current ( Isc )	18.03	18.11	18.20	18.27

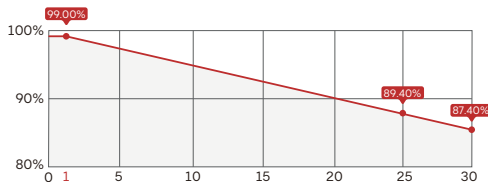
## OPERATING PARAMETERS

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	30A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

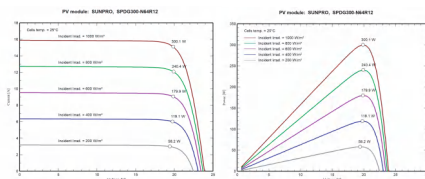
## TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.045% / °C
Temp. Coeff. of Voc (TK Voc)	-0.25% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.30% / °C
Normal Operating Cell Temperature	45±2°C

## LINEAR PERFORMANCE GUARANTEE FOR 30 YEARS



## I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



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\*The above parameters are for reference only, and the actual parameters of the factory shall prevail