

# BC BIFACIALMODULES

## 470-485W

High efficiency bifacial modules

· Full Black

 Residential

 C&I

# 23.76%



**Excellent**  
Micro-crack Resistance



**Superior**  
Temperature Coefficient

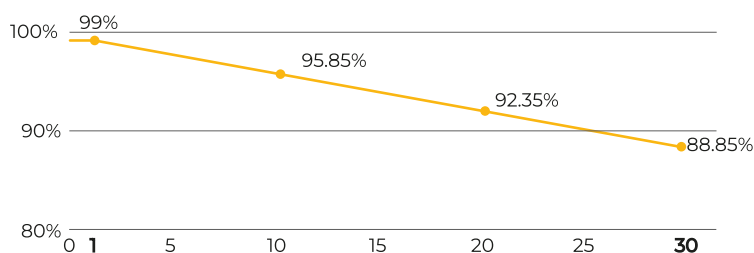


**Higher**  
Generated Energy



**Partial**  
Shading Optimisation

Linear performance warranty of 30 years



### WARRANTY

Quality Guarantee **30** Years

Power Warranty **30** Years



## ELECTRIC CHARACTERISTICS

## SPDG(470/485)-BC108RL10

Model of modules	SPDG470-BC108RL10		SPDG475-BC108RL10		SPDG480-BC108RL10		SPDG485-BC108RL10	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power maximum ( Pmax/W )	470	357	475	361	480	365	485	369
Maximum power voltage ( Vmp )	33.29	31.60	33.40	31.71	33.51	31.82	33.62	31.93
Maximum power current ( Imp )	14.13	11.30	14.23	11.39	14.33	11.48	14.43	11.56
Open circuit voltage ( Voc )	40.31	38.28	40.42	39.89	40.53	38.50	40.64	39.61
Short circuit current ( Isc )	14.78	11.84	14.88	11.93	14.98	12.02	15.08	12.10
Module efficiency	23.03%		23.27%		23.52%		23.76%	

**STC** ( Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m<sup>2</sup>, Cells Temperature 25°C )

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

### ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN (REFERENCE TO 475W FRONT)

Pmax gain	5%	10%	15%	20%	25%
Power maximum ( Pmax/W )	499	523	546	570	594
Maximum power voltage ( Vmp )	33.40	33.40	33.40	33.40	33.40
Maximum power current ( Imp )	14.93	15.64	16.35	17.07	17.78
Open circuit voltage ( Voc )	40.42	40.42	40.42	40.42	40.42
Short circuit current ( Isc )	15.62	16.37	17.11	17.86	18.60

### STRUCTURAL CHARAC

Module size (L*W*H)	1800×1134×30mm
Weight	23.5kg
Cell	108(6x18)
Front glass	2.0mm semi-tempered glass
Back glass	1.6mm semi-tempered glass
Frame	Black anodized aluminum alloy frame
Junction box	IP68
Output wire	4mm <sup>2</sup>
Wire length	Line length 1200mm / customized
Connector	EVO2A
Packing specification	36pcs per pallet / 216 pcs per 20' GP / 864pcs per 40' HC

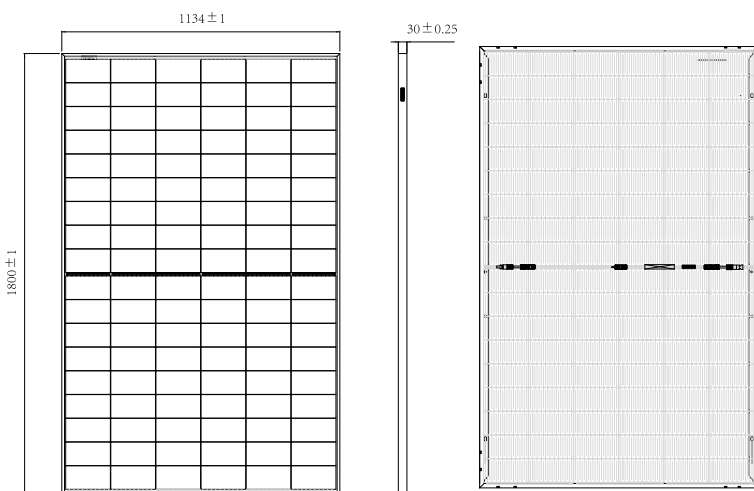
### OPERATING PARAMETERS

Power tolerance (W)	(0~+5w)
Maximum system voltage (V)	DC1500V(IEC)
Maximum rated fuse current (A)	30A
Current operating temperature (C)	-40°C~+85°C
Mechanical load	+5400Pa/-2400Pa

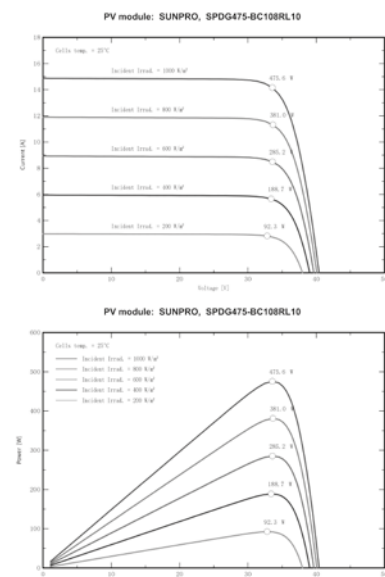
### TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	+0.050%/°C
Temp. Coeff. of Voc (TK Voc)	-0.200%/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.260%/°C
Normal Operating Cell Temperature	45±2°C

### MODULE DIMENSIONS(MM)



### 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