

Sunpro Premium Series

BC High Efficiency Bifacial Module

Module efficiency

24.50%

Power Output

475-500W

· Black Frame, White Mesh

Residential



**Excellent
Micro-crack Resistance**



**Superior
Temperature Coefficient**

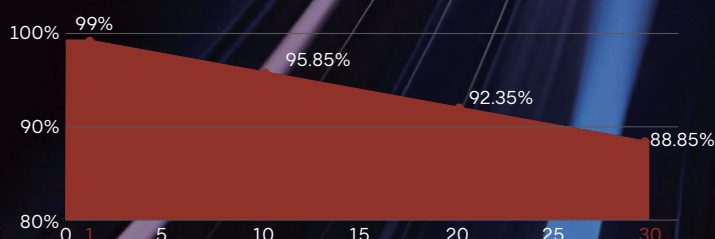


**Higher
Generated Energy**



**Partial
Shading Optimisation**

Linear performance warranty of 30 years

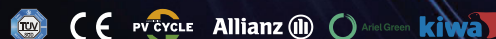


WARRANTY

Quality Guarantee **30 Years**

Power Warranty **30 Years**

CERTIFICATE



ELECTRIC CHARACTERISTICS

SPDG(475/500W)-BC108RL10H

Model of modules	SPDG475-BC108RL10H	SPDG480-BC108RL10H	SPDG485-BC108RL10H	SPDG490-BC108RL10H	SPDG495-BC108RL10H	SPDG500-BC108RL10H
	STC	STC	STC	STC	STC	STC
Power maximum (Pmax/W)	475	480	485	490	495	500
Maximum power voltage (Vmp)	33.40	33.51	33.62	33.73	33.84	33.95
Maximum power current (Imp)	14.23	14.33	14.43	14.53	14.63	14.73
Open circuit voltage (Voc)	40.42	40.53	40.64	40.75	40.86	40.97
Short circuit current (Isc)	14.88	14.98	15.08	15.18	15.28	15.38
Module efficiency	23.27%	23.52%	23.76%	24.01%	24.25%	24.50%

STC(Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m² ,Cells Temperature25℃)

NMOT(Irradiance 800W/m², Ambient Temperature 20℃,AM1.5,Wind Speed 1m/s)

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

Pmax gain	0%	5%	10%	15%	20%	25%
Power maximum (Pmax/W)	480	504	528	552	576	600
Maximum power voltage (Vmp)	33.51	33.51	33.51	33.61	33.61	33.61
Maximum power current (Imp)	14.33	15.04	15.76	16.42	17.14	17.85
Open circuit voltage (Voc)	40.53	40.53	40.53	40.63	40.63	40.63
Short circuit current (Isc)	14.98	15.73	16.48	17.23	17.98	18.73

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 ²
Wire length	Line length 1200mm / customized
Connector	EVO2A
Packing specification	36pcs per pallet / 216 pcs per 20' GP / 864pcs per 40' HQ

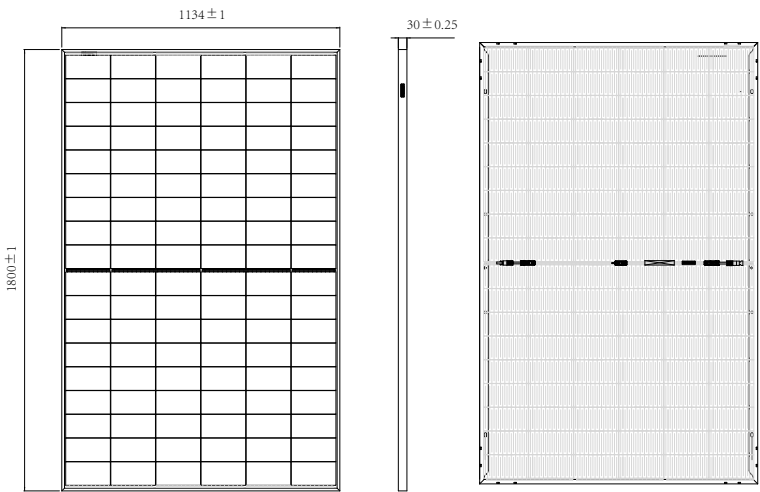
OPERATING PARAMETERS

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

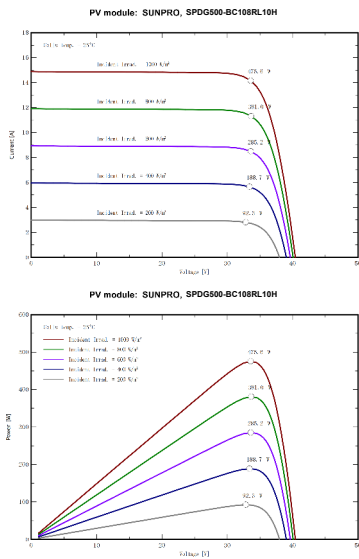
TEMPERATURE CHARACTERISTICS

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

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