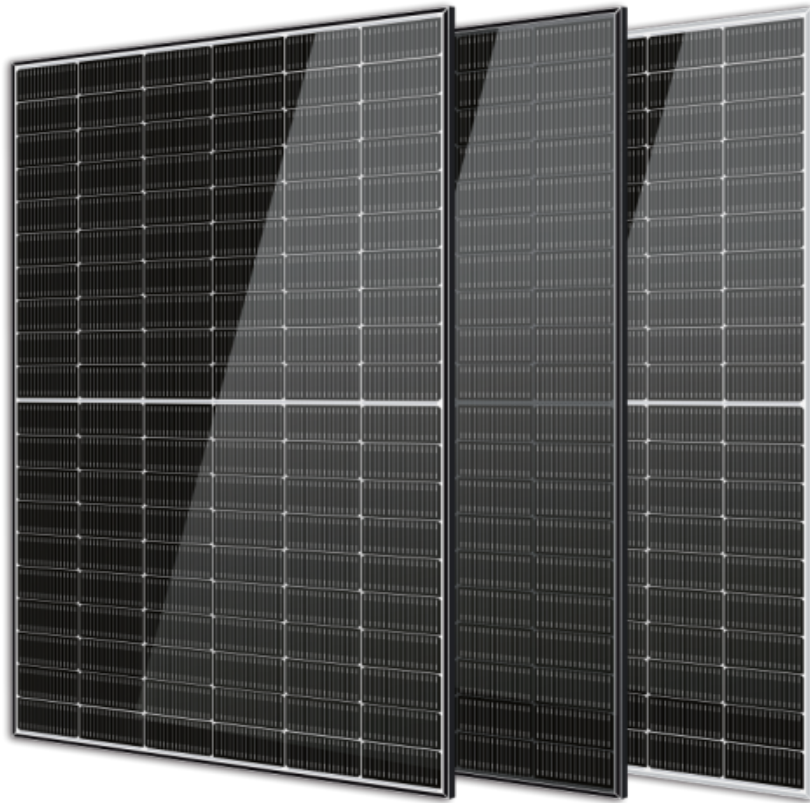
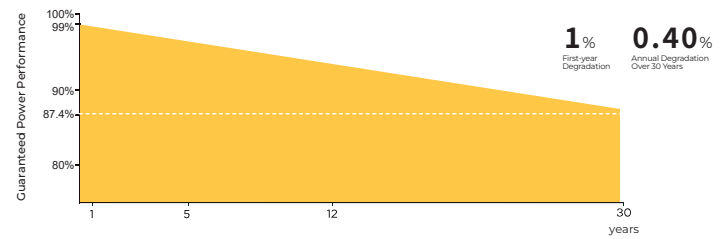


LINEAR PERFORMANCE WARRANTY



BE470-490T8-120(HC)BF

N-TYPE



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

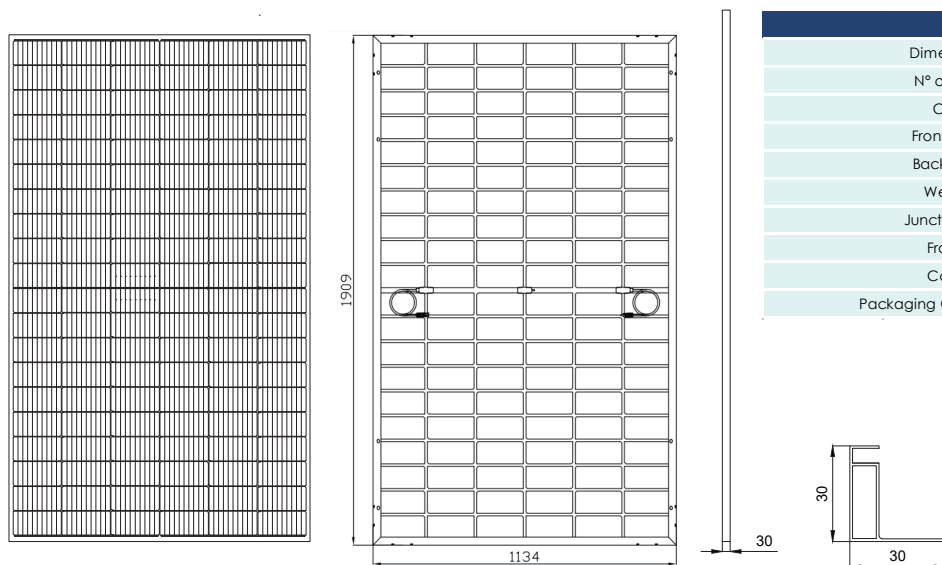


Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

BE470-490T8-120(HC)BF

N-TYPE



MECHANICAL SPECIFICATIONS

Dimensions	1909*1134*30mm
N° of cells	120[2x(10x6)]
Cells	N type Mono-crystalline
Front glass	2.0mm, Anti-Reflection Coating
Back glass	2.0mm, Heat Strengthened Glass
Weight	27kg
Junction Box	IP68 (3 diodes)
Frame	Anodized aluminum alloy
Cable	4mm ²
Packaging Configuration	36pcs/Pallet, 864pcs/40HQ Container

TYPE	BE470T8-120(HC)BF		BE475T8-120(HC)BF		BE480T8-120(HC)BF		BE485T8-120(HC)BF		BE490T8-120(HC)BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output	470	353	475	357	480	361	485	365	490	369
Max. Voltage, Vmpp (V)	35.05	32.94	35.21	33.1	35.38	33.27	35.54	33.44	35.7	33.61
Current, Imp (A)	13.41	10.73	13.49	10.79	13.57	10.85	13.65	10.91	13.73	10.97
Voltage Open Circuit, Voc (V)	42.38	40.25	42.54	40.41	42.71	40.57	42.88	40.73	43.05	40.89
Short Circuit Current, Isc (A)	14.15	11.42	14.23	11.49	14.31	11.55	14.39	11.61	14.47	11.67
Module Efficiency (%)	21.71		21.94		22.17		22.4		22.63	
Max. Power Tolerance (W)	0-5									
Max. System Voltage (V)	1.500Vdc (IEC)									
Maximum Series Fuse Rating (A)	25A									

STC: Irradiance 1000 W/m², Cell Temperature 25°C, AM1.5 NOCT: Irradiance 800 W/m², Temperature 20°C, Wind Speed 1 m/s

BIFACIAL OUTPUT-REAR SIDE POWER GAIN(470)

Power Gain	Power Gain	Voltage Mpp-Vmpp	Current Mpp-Imp	Voltage Open Circuit-Voc	Short Circuit Current-Isc
10%	517 Wp	35.05 V	14.75 A	42.38 V	15.56 V
15%	541 Wp	35.05 V	15.44 A	42.38 V	16.29 A
20%	564 Wp	35.05 V	16.09 A	42.38 V	16.97 A
25%	588 Wp	35.05 V	16.78 A	42.38 V	17.70 A
30%	611 Wp	35.05 V	17.44 A	42.38 V	18.40 A

TEMPERATURE COEFFICIENTS

Temp. Coefficient (Pmax)	-0.29%/°C
Temp. Coefficient (Isc)	0.045%/°C
Temp. Coefficient (Voc)	-0.25%/°C
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)
Operating Temperature	-40~+85°C
Refer. Bifacial Factor	80±5°C

I- V CURVES

Cells Temperature: 25°C. Current-Voltage & Power Voltage Curve (470)

