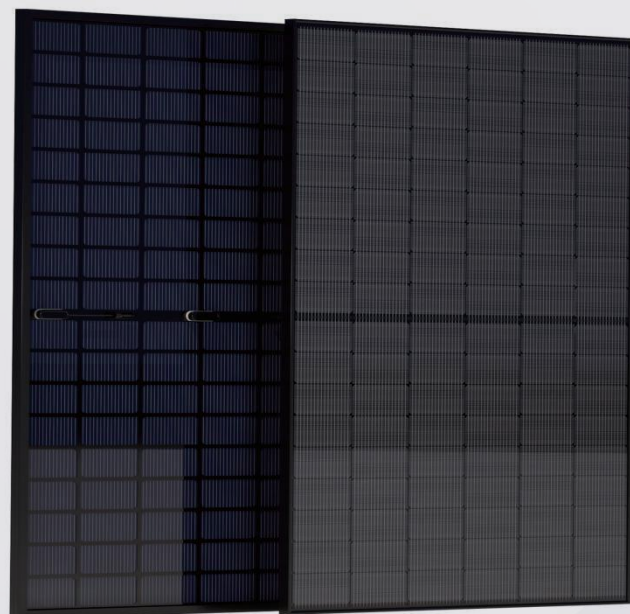


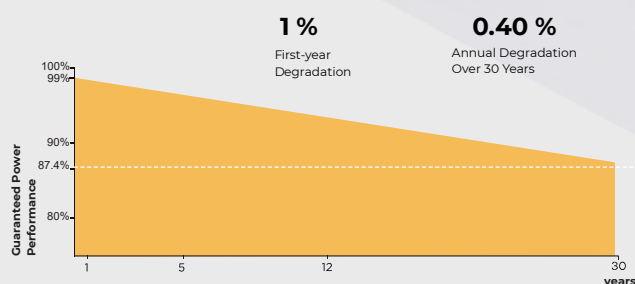
BE425-455T8-108(HC)BF

N-TYPE



- ✓ SMBB Technology.
- ✓ PID Resistance.
- ✓ Hot 2.0 Technology.
- ✓ Enhanced Mechanical Load.
- ✓ Durability Against Extreme Environmental Conditions

LINEAR PERFORMANCE WARRANTY



CERTIFIED
IEC
61730 Ed.1

CERTIFIED
IEC
61215 Ed.2

✓ Anti-PID
System voltage durability
PPP 56042



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N-TYPE

TYPE	BE425T8-108 (HC)BF		BE430T8-108 (HC)BF		BE435T8-108 (HC)BF		BE440T8-108 (HC)BF		BE445T8-108 (HC)BF		BE450T8-108 (HC)BF		BE455T8-108 (HC)BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	425	319	430	323	435	327	440	330	445	334	450	338	455	342
Max. Voltage, Vmpp (V)	32.10	30.21	32.27	30.37	32.44	30.53	32.61	30.69	32.78	30.86	32.95	31.02	33.12	31.18
Current, Imp (A)	13.24	10.58	13.33	10.65	13.41	10.71	13.50	10.78	13.58	10.84	13.66	10.91	13.74	10.98
Voltage Open Circuit, Voc (V)	38.20	36.29	38.40	36.48	38.60	36.67	38.80	36.86	39.00	37.05	39.20	37.24	39.40	37.43
Short Circuit Current, Isc (A)	13.98	11.28	14.09	11.37	14.19	11.46	14.30	11.55	14.39	11.65	14.48	11.73	14.57	11.81
Module Efficiency(%)	21.76		22.02		22.28		22.53		22.79		23.04		23.29	
Max. Power Tolerance (W)	0-5													
Max. System Voltage (V)	1000/1500VDC (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

Mechanical specifications

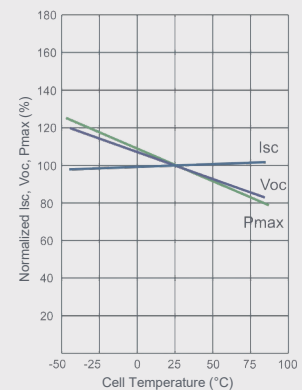
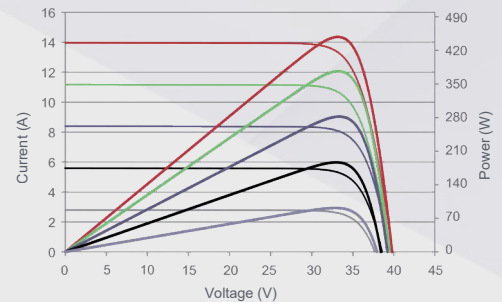
Dimensions	1722*1134*30mm
N° of cells	108(2x54)
Cells	N type Mono-crystalline
Front glass	2.0mm, Anti-Reflection Coating
Back glass	2.0mm, Heat Strengthened Glass
Packaging Configuration	37pcs/Pallet; 962pcs/40HQ Container
Weight	23kg
Junction Box	IP68 Rated
Frame	Anodized aluminum alloy
Cable	4mm ²

Temperature Coefficient

Temperature Coefficient of Pmax	-0.290%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.046%/°C
Nominal Operating Cell Temperature (NOCT)	42±2°C

I- V Curves

Cells Temperature: 25°C. Current-Voltage & Power Voltage Curve (435)



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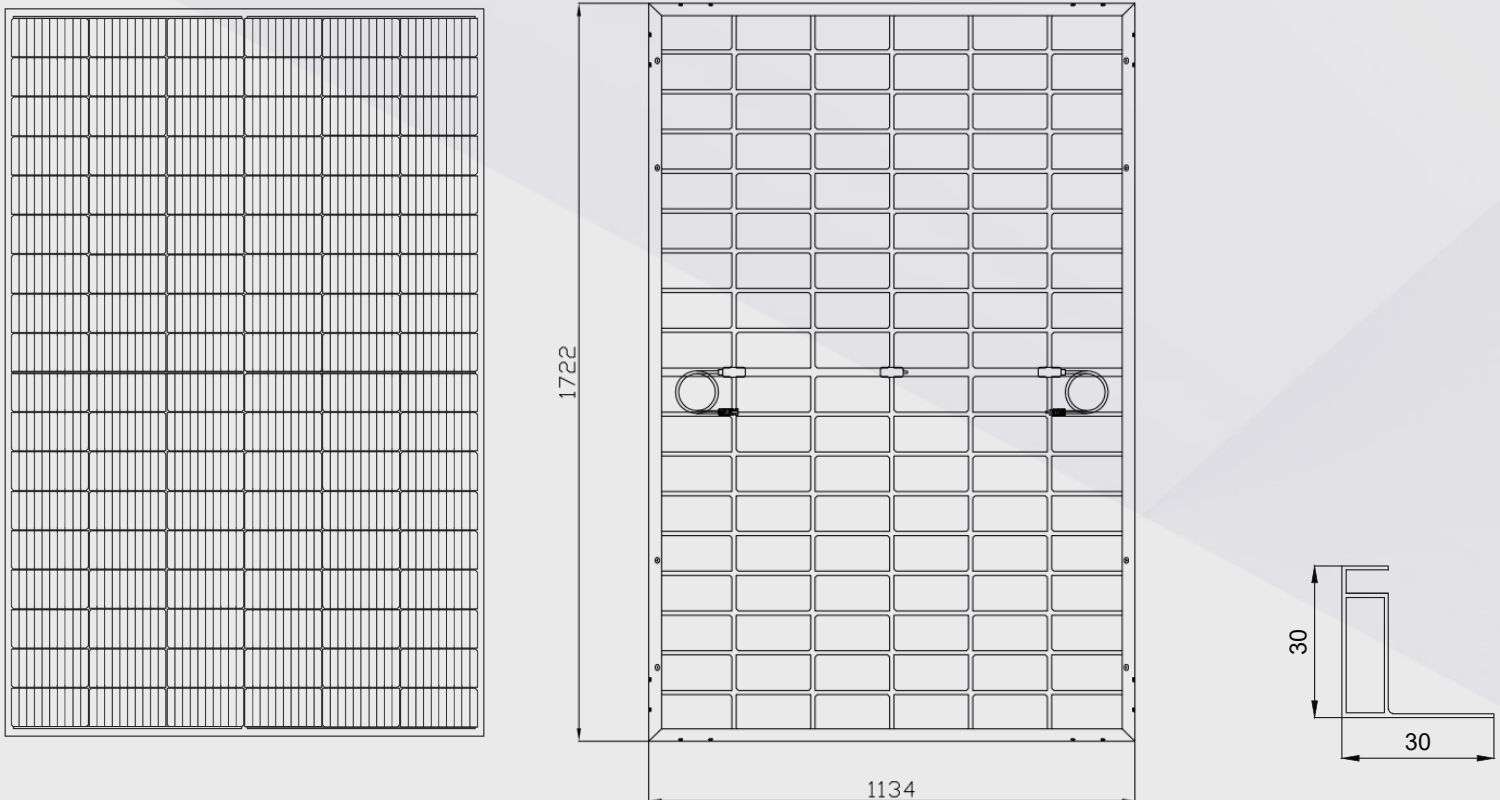


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