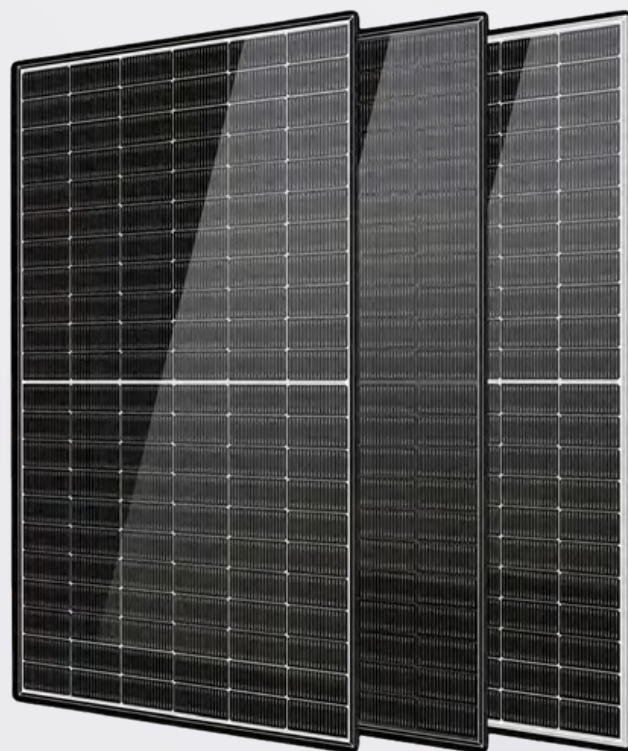


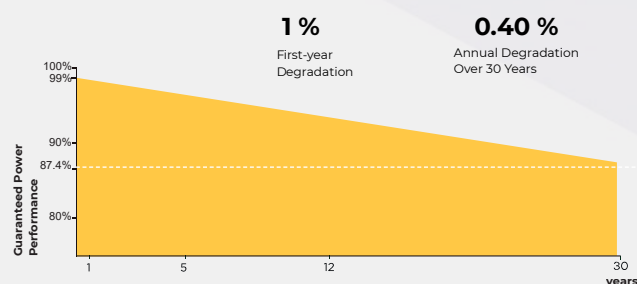
BE510-545T8-132(HC)

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

MCS

CE

INMETRO



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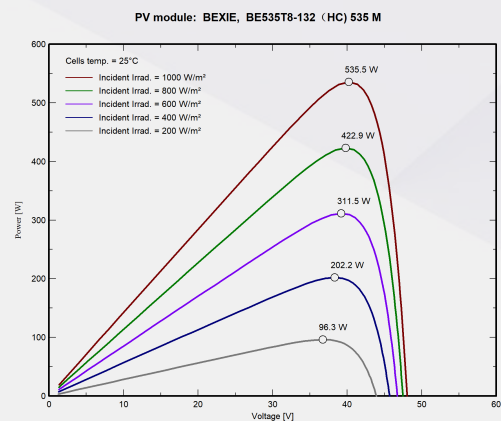
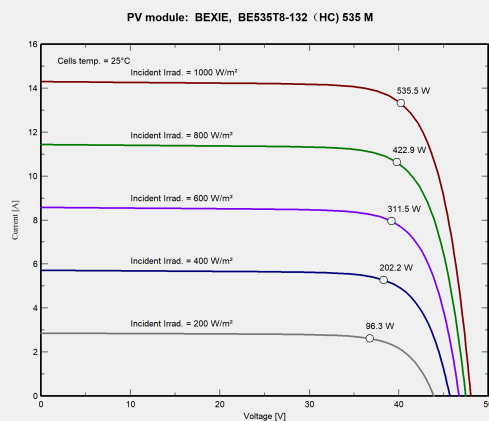
N-TYPE

TYPE	BE510T8-132 (HC)		BE515T8-132 (HC)		BE520T8-132 (HC)		BE525T8-132 (HC)		BE530T8-132 (HC)		BE535T8-132 (HC)		BE540T8-132 (HC)		BE545T8-132 (HC)	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Power Output	510	388	515	392	520	395	525	399	530	403	535	408	540	411	545	415
Voltage Open Circuit, Voc (V)	46,74	44,20	46,98	44,40	47,33	44,80	47,57	45	47,81	45,20	48,04	45,50	48,29	45,60	48,53	45,80
Short Circuit Current, Isc (A)	14,01	11,30	14,03	11,34	14,10	11,39	14,16	11,44	14,22	11,49	14,29	11,54	14,34	11,59	14,40	11,64
Max. Voltage, Vmpp (V)	39,44	36,50	39,64	36,70	39,84	36,90	40,04	37,10	40,24	37,30	40,44	37,60	40,52	37,71	40,59	37,91
Current, Imp (A)	12,94	10,63	12,99	10,68	13,05	10,71	13,11	10,76	13,17	10,81	13,23	10,86	13,33	10,90	13,43	10,95
Module Efficiency (%)	21,47		21,69		21,9		22,11		22,32		22,53		22,74		22,95	
Max. Power Tolerance (W)	0-5															
Max. System Voltage (V)	1.500Vdc (IEC/UL)															
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

I- V Curves

Cells Temperature: 25°C. Current-Voltage & Power Voltage Curve (535)



Temperature Coefficient

Temp. Coefficient (Pmax)	-0.29%/°C
Temp. Coefficient (Isc)	0.045%/°C
Temp. Coefficient (Voc)	-0.225%/°C
Nominal Operating Cell Temp. (NOCT)	45°C (±2°C)
Operating Temperature	-40~+85°C



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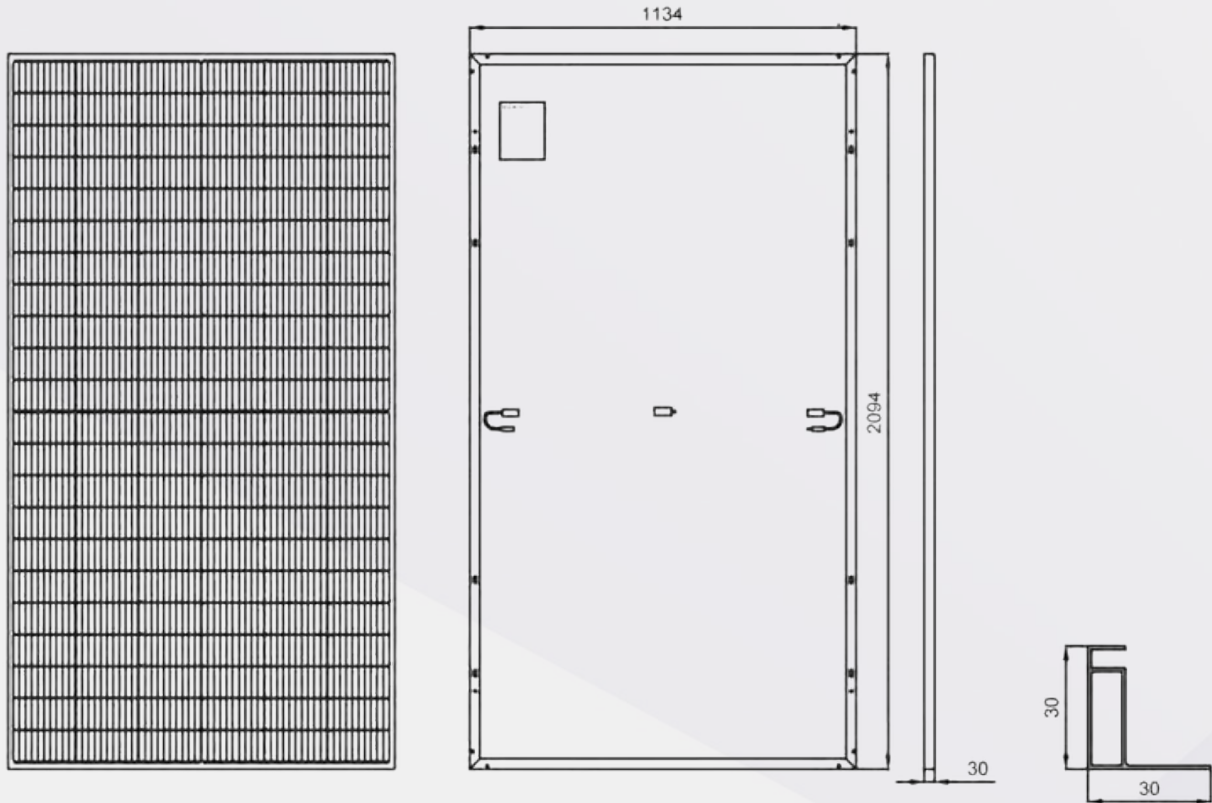
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BE510-545T8-132(HC)

N-TYPE



Mechanical specifications

Laminate Structure	Glass/POE/Cells/POE/Backsheet
Dimensions	2094*1134*30mm
Connector	MC4 Compatible
Cells	N-Type 16BB 182mm (2x66pcs)
Front glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Packaging Configuration	36pcs/Pallet; 792pcs/40HQ Container
Weight	26.9kg
Junction Box	IP68
Frame	Anodized aluminum alloy
Maximum Static Load, Front	5400Pa (112lb/ft ²)
Maximum Static Load, Back	2400Pa (50lb/ft ²)
Cable	4mm ²



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