

# BECKER TECH

## PV-Module



## PM550W(144) beidseitig



Half Cut Cell Technology



Gallium-doped Technology



Less Hot Spot Shading Effects



Anti-PID  
Low LID  
Performance

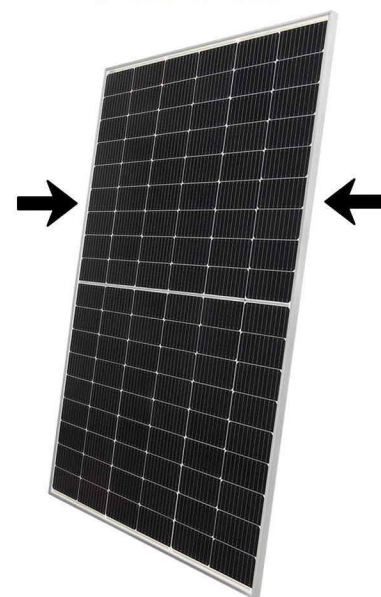


Enduring High Reliability & Performance

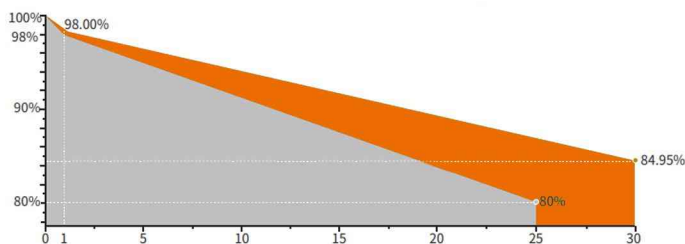


Bifacial Cell  
Module Technologies

## FRAME



### Linear performance Warranty



### Comprehensive Certificates

- ISO9001:2015
- ISO14001:2015
- ISO45001:2018
- IEC61215/IEC61730



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Module		PM-550W(144)
Efficiency (%)		21.30
Tolerance (W)		0 ~ +5
Standard Test		STC
Maximum Power (Pmax/W)		550
Open Circuit Voltage Voc(V)		49.90
Short Circuit Current Isc(A)		14.07
Maximum Power Voltage Vmp(V)		41.95
Maximum Power Current Imp(A)		13.12
Cells (mm)		MBB-182x91mm
Cells Qty (Pcs)		144(6x24)
Max System Voltage (V)		1000/1500V
Open Circuit Voltage Temp (%/°C)		-0.280
Circuit Current Temp (%/°C)		0.050
Peak Power Temp (%/°C)		-0.360
Operate Temp (°C)		-40 to 85
Nominal Operating Temp (°C)		45±2
Max Series Fuse Rating (A)		25
Frontal Static Load (Pa)		5400
Back Static Load (Pa)		2400

Standard Test Conditions[STC]: irradiance 1,000 W/m<sup>2</sup>; AM 1,5; module temperature 25°C.

Measuring uncertainty of power is within±3%Tolerance of Pmpp: 0-+3%. Certified in accordance with IEC61215,IEC61730-1/2.

### Bifacial Output-Rearside Power Gain

5 %	Maximum Power (Pmax)	577 Wp	Module Efficiency STC (%)	22,36 %
15 %	Maximum Power (Pmax)	633 Wp	Module Efficiency STC (%)	24,50 %
25 %	Maximum Power (Pmax)	687 Wp	Module Efficiency STC (%)	26,63 %

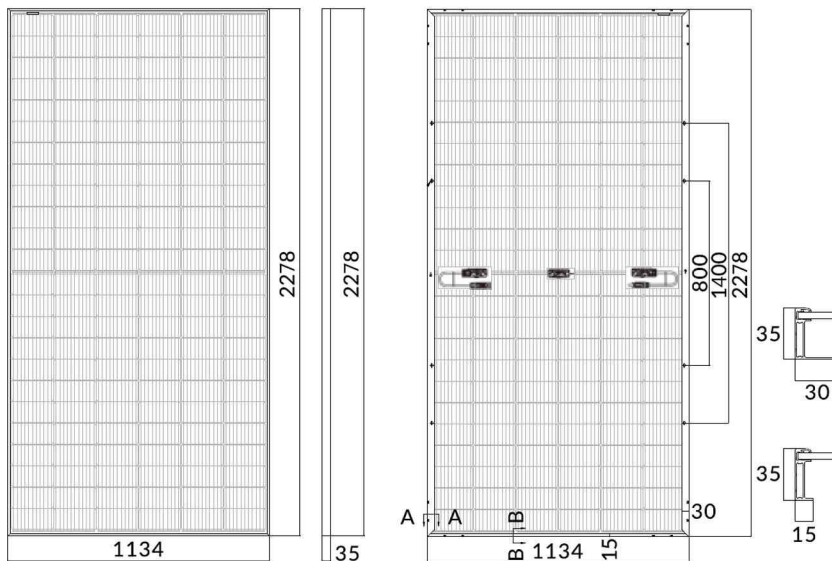
### Raw material

Frame	Alloy Aluminium	Glass (mm)	2.0 (Front: coated semi-tempered glass, Back: semi-tempered glass)
Cell	144(6x24pcs)	Junction box	IP68
Diode Qty	3	Connector	4mm <sup>2</sup> , MC4 or EVO2
Cable (mm)	300 (+) / 400 (-) Length can be customized	Fire Rating	Class A, according to UL 790

### Package

Module size (mm)	2278x1134x35mm	Weight (kg)	31.5kg
Loading	620 PCS/40HQ	Package	31PCS/PLT

### Engineering Drawings



### IV CURVES

