PS580W#BPVS N-Type

Features:

- High-performance PV modules for utility power plants
- Advanced HPDC cell technology delivers superior module efficiency and power
- High bifaciality and excellent power temperature coefficient achieves high energy yield
- LONGi lifecycle quality ensures long-term performance

THE CROWN OF POWER SOLUTION

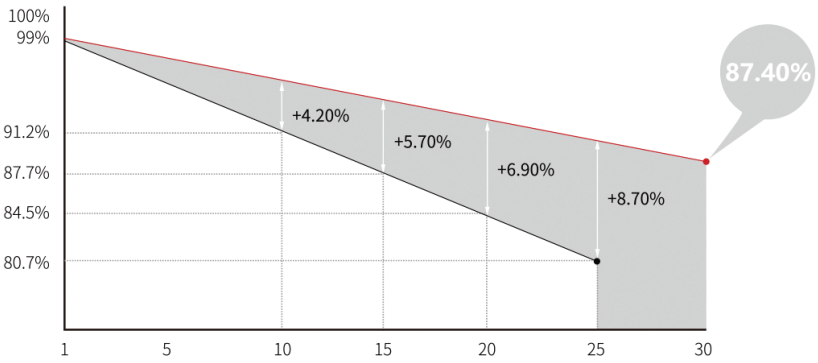
Mechanical Parameters

Orientation	144 (6X24)
Junction Box	IP68, three diodes
Output Cable	4mm², +400, -200mm/±1400mm length can be customized
Glass	Dual glass, 2.0+2.0mm heat strengthened glass
Frame	Anodized aluminum alloy frame
Weight	31.8Kg
Dimension	2278 x 1134 x 30mm

22.5%	0~3%	0.4%	< 1%	HALF-CELL
MODULE EFFICIENCY	POWER TOLERANCE	YEAR 2-30 POWER DEGRADATION	FIRST YEAR POWER DEGRADATION	Lower operating temperature

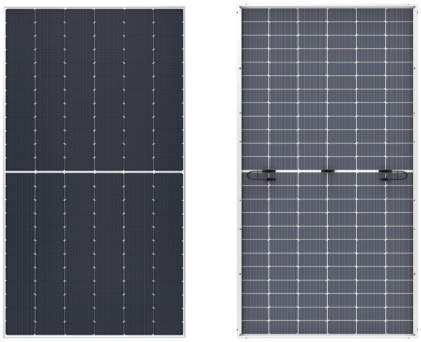
Additional Value

30-Year Power Warranty



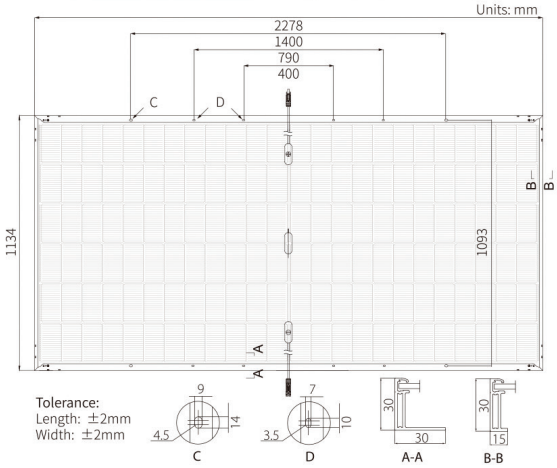
THE CROWN OF POWER SOLUTION

General Features



Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s



Operating Parameters

Operational Temperature	-40°C - +85°C
Power Output Tolerance	0 - 3%
Vac and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Bifaciality	80±5%
Fire Rating	UL type 29 IEC Class C

Temperature Ratings(STC)

Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voe	-0.230%/°C
Temperature Coefficient of Pmax	-0.280%/°C

Electrical Characteristics

PS580W#BPVS N-Type

Testing Condition	STC	NOCT
Maximum Power (Pmax/W)	580	441.5
Open Circuit Voltage (Voc/V)	51.41	48.86
Short Circuit Current (Isc/A)	14.22	11.42
Voltage at Maximum Power (Vmp/V)	43.22	41.07
Current at Maximum Power (Imp/A)	13.42	10.75
Module Efficiency(%)	22.5	