

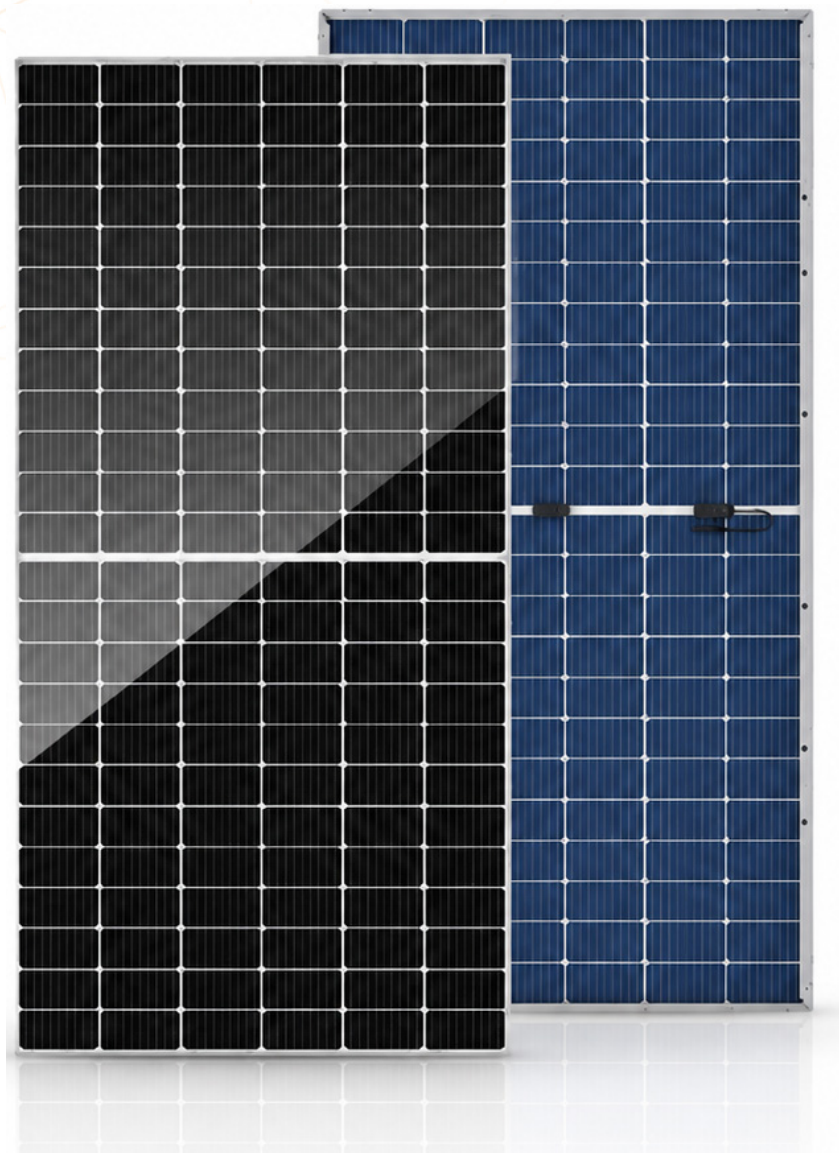
N-TYPE SOLAR PANEL

PS580W#BPVS N-Type

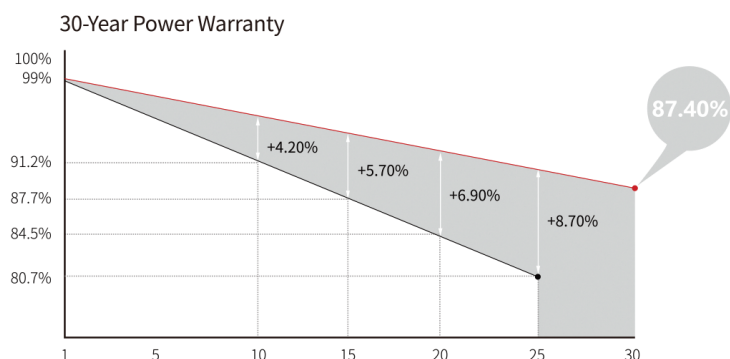
580_W

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
- ▶ lifecycle quality ensures long-term performance



Additional Value



22.5%
MODULE
EFFICIENCY

0~3%
POWER
TOLERANCE

0.4%
YEAR 2-30
POWER DEGRADATION

< 1%
FIRST YEAR
POWER DEGRADATION

HALF-CELL
Lower operating temperature

Mechanical Parameters

Orientation	144 (6X24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , +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

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 Voc	-0.230% / °C
Temperature Coefficient of Pmax	-0.280% / °C

Electrical Characteristics

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	

