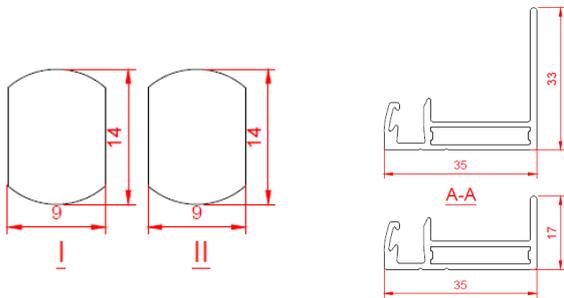
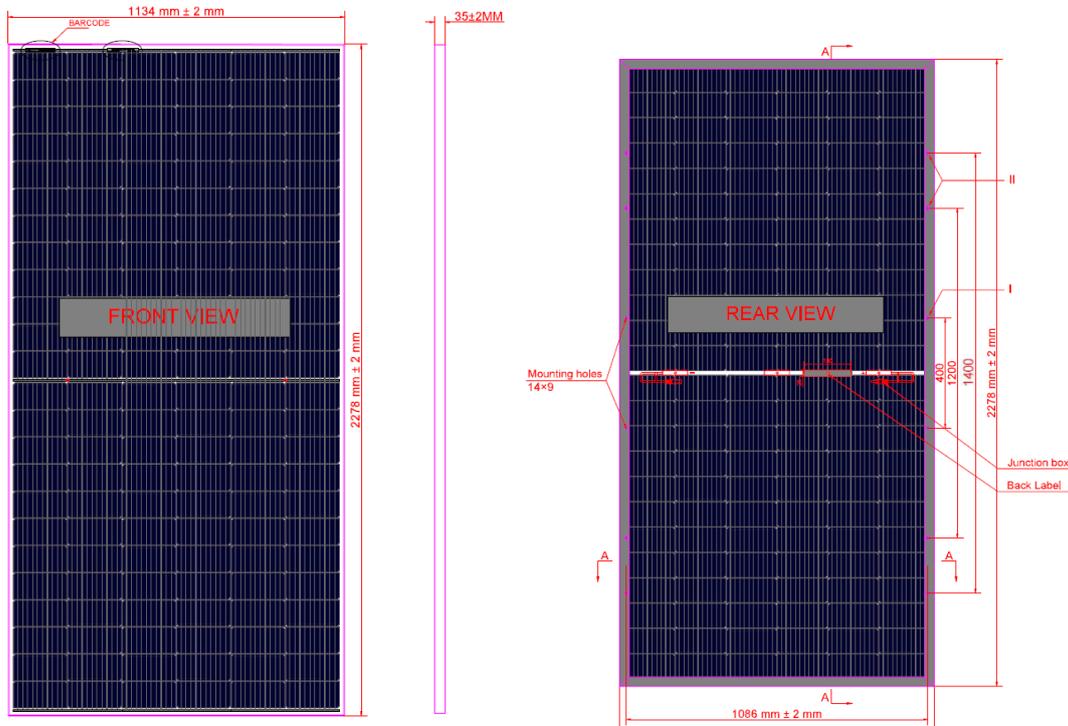
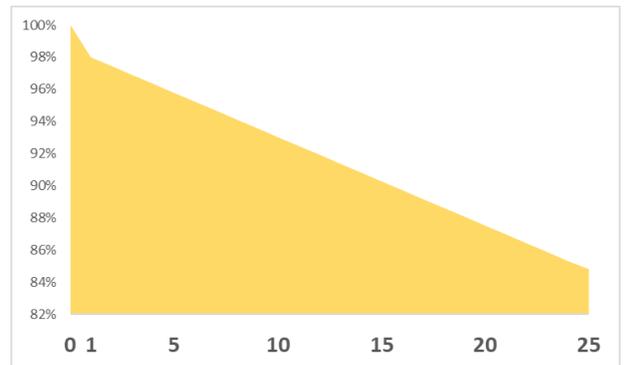


PERC Model - HEXN144P530-560



Warranty



Mechanical Specification

- **LXWXH** – 2278X1134X35 mm
- **Weight** – 27.1 Kg
- **Front Glass** – 3.2 mm
- **Backsheet** – Transparent
- **Frame** –Anodized
- **Junction Box** – IP68
- **Cable:** +400 mm, -200 mm (customized)
- **No of Cells** – 144 cells (72X2)

Operating Conditions

Temp. coefficients of Pmax : 0.35%/C
 Temp. coefficients of Voc : -0.28%/C
 Temp. coefficients of Isc : 0.045%/C

- Product Warranty 12 years
- First year degradation 2%
- Annual degradation over 25 years – 0.55%

PERC Model - HEXN144P530-560

Electrical parameter (STC)

Maximum Power - Pmax (Wp)	530	535	540	545	550	555	560
Maximum Power Voltage - Vmp(V)	41.3	41.47	41.64	41.81	41.98	42.13	42.32
Maximum Power Current - Imp(A)	12.83	12.9	12.97	13.04	13.11	13.18	13.24
Open-circuit Voltage - Voc (V)	49.4	49.5	49.6	49.7	49.8	49.9	50
Short-circuit Current - Isc (A)	13.72	13.79	13.86	13.93	14.01	14.07	14.14
Module Eff,(%)	20.5	20.7	20.9	21.1	21.3	21.5	21.7

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Electrical parameter with 10% Solar Irradiation

Reference Module Power Pmax (STC)	530	535	540	545	550	555	560
Maximum Power - Pmax (Wp)	583	588	594	600	605	611	616
Maximum Power Voltage - Vmp(V)	41.3	41.5	41.6	41.8	42.0	42.1	42.3
Maximum Power Current - Imp(A)	14.1	14.2	14.3	14.3	14.4	14.5	14.6
Open-circuit Voltage - Voc (V)	49.4	49.5	49.6	49.7	49.8	49.9	50.0
Short-circuit Current - Isc (A)	15.0	15.0	15.1	15.2	15.3	15.4	15.4

Electrical parameter(NOCT)

Maximum Power - Pmax (Wp)	400	403	406	411	415	418	422
Maximum Power Voltage - Vmp(V)	38.77	38.85	39.01	39.17	39.33	39.47	39.62
Maximum Power Current - Imp(A)	10.33	10.38	10.42	10.49	10.54	10.60	10.65
Open-circuit Voltage - Voc (V)	46.92	47.02	47.11	47.20	47.29	47.38	47.47
Short-circuit Current - Isc (A)	11.08	11.13	11.19	11.25	11.32	11.37	11.42

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

Application Conditions

Operating Temperature	-40 °C ~ +85 °C
Maximum System Voltage	1500 VDC
sMaximum fuse rating	30 A
Nominal Operating Cell Temperature - NOCT	45±2 °C
Bifacial Factor	70±5 %

Certification