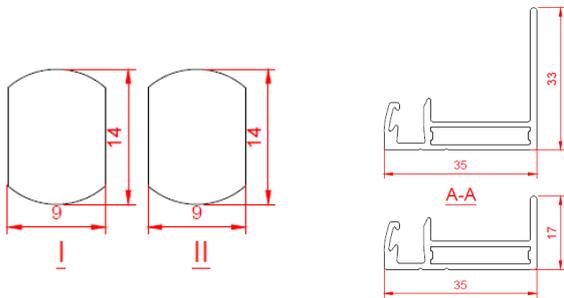
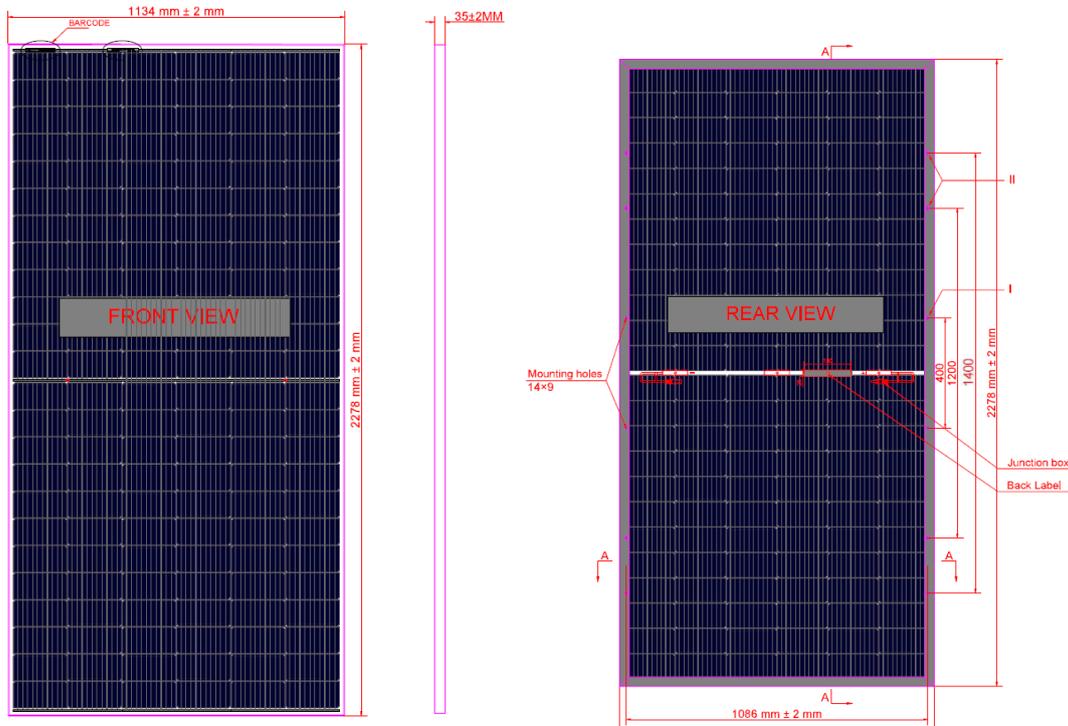
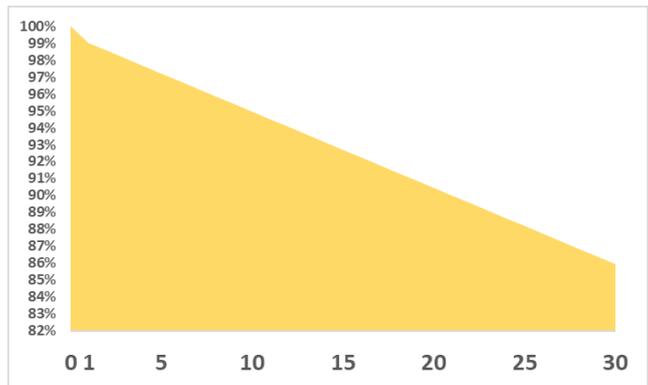


# TOPCON Model - HEXN144N570-600



## 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 1%
- Annual degradation over 30 years – 0.45%



## TOPCON Model - HEXN144N560-600

### Electrical parameter (STC)

Maximum Power - Pmax (Wp)	<b>570</b>	<b>575</b>	<b>580</b>	<b>585</b>	<b>590</b>	<b>595</b>	<b>600</b>
Maximum Power Voltage - Vmp(V)	43.58	43.73	43.88	44.03	44.18	44.33	44.48
Maximum Power Current - Imp(A)	13.08	13.15	13.22	13.29	13.36	13.43	13.5
Open-circuit Voltage - Voc (V)	52.1	52.3	52.5	52.7	52.9	53.1	53.3
Short-circuit Current - Isc (A)	13.83	13.89	13.95	14.01	14.07	14.13	14.19
Module Eff,(%)	<b>22.1</b>	<b>22.3</b>	<b>22.5</b>	<b>22.6</b>	<b>22.8</b>	<b>23.0</b>	<b>23.2</b>

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

### Electrical parameter with 10% Solar Irradiation

Reference Module Power Pmax (STC)	<b>570</b>	<b>575</b>	<b>580</b>	<b>585</b>	<b>590</b>	<b>595</b>	<b>600</b>
Maximum Power - Pmax (Wp)	616	622	627	633	638	644	649
Maximum Power Voltage - Vmp(V)	43.28	43.43	43.58	43.73	43.88	44.03	44.18
Maximum Power Current - Imp(A)	14.23	14.31	14.39	14.46	14.54	14.62	14.69
Open-circuit Voltage - Voc (V)	51.70	51.90	52.10	52.30	52.50	52.70	52.90
Short-circuit Current - Isc (A)	15.09	15.17	15.25	15.33	15.41	15.49	15.57

### Pmax with additional % Solar Irradiation

Reference Module Power Pmax (STC)	<b>570</b>	<b>575</b>	<b>580</b>	<b>585</b>	<b>590</b>	<b>595</b>	<b>600</b>
<b>Pmax Wp @ 5%</b>	599	604	609	614	620	625	630
<b>Pmax Wp @10%</b>	627	633	638	644	649	655	660
<b>Pmax Wp @15%</b>	656	661	667	673	679	684	690
<b>Pmax Wp @20%</b>	684	690	696	702	708	714	720

### Electrical parameter(NOCT)

Maximum Power - Pmax (Wp)	<b>431</b>	<b>435</b>	<b>438</b>	<b>442</b>	<b>446</b>	<b>450</b>	<b>453</b>
Maximum Power Voltage - Vmp(V)	40.91	41.05	41.19	41.33	41.47	41.61	41.75
Maximum Power Current - Imp(A)	10.53	10.59	10.64	10.70	10.76	10.81	10.87
Open-circuit Voltage - Voc (V)	49.49	49.68	49.87	50.06	50.25	50.44	50.63
Short-circuit Current - Isc (A)	11.16	11.21	11.26	11.31	11.36	11.41	11.45

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

### Certification

sMaximum fuse rating	30 A
Nominal Operating Cell Temperature - NOCT	45±2 °C
Bifacial Factor	80±5 %