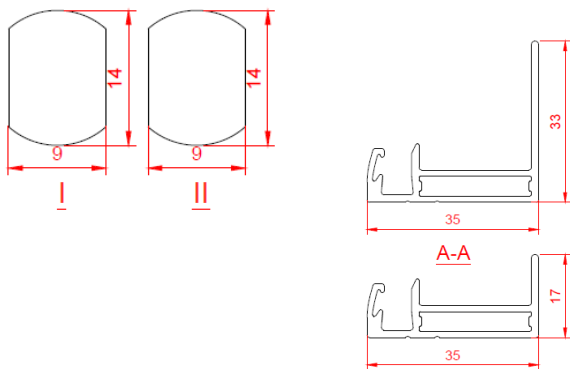
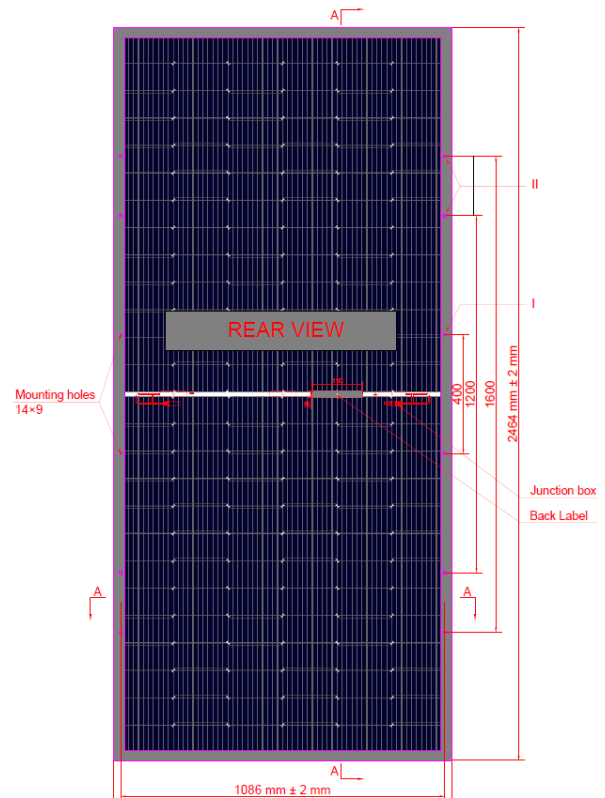
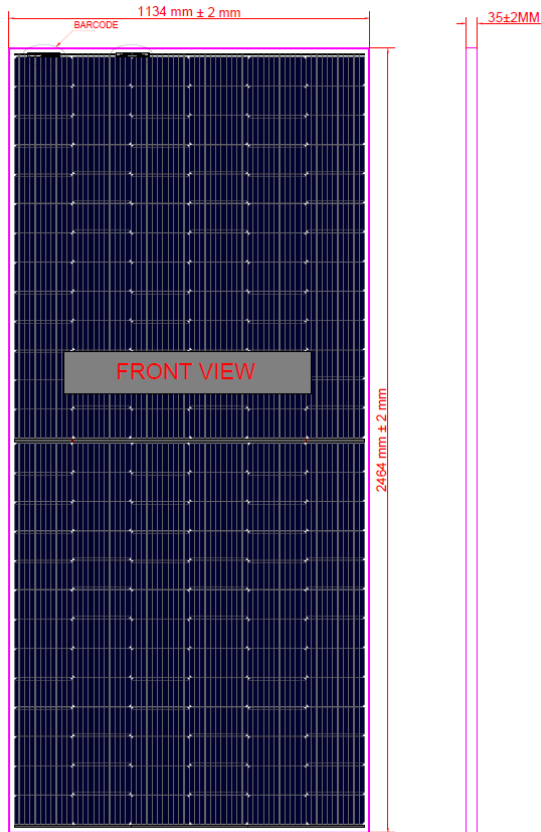
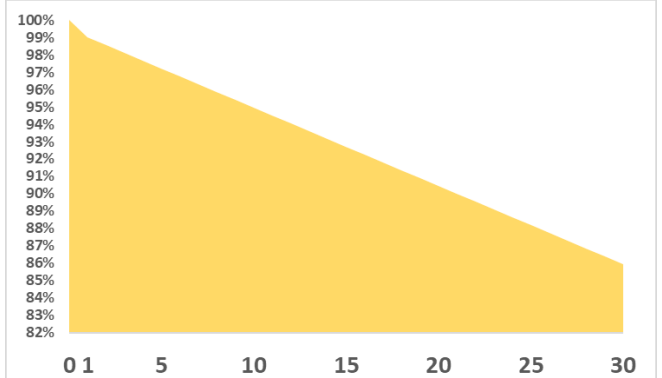


## TOPCON Model - HEXN156N600-630



### Warranty



### Mechanical Specification

- **LXWXH** – 2464X1134X35 mm
- **Weight** – 29.50 Kg
- **Front Glass** – 3.2 mm
- **Backsheet** – Transparent
- **Frame** – Anodised
- **Junction Box** – IP68
- **Cable**: +400 mm, -200 mm (customized)
- **No of Cells** – 156 cells (78X2)

- Product Warranty 12 years
- First year degradation 1%
- Annual degradation over 30 years – 0.45%

### Operating Conditions

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

## TOPCON Model - HEXN156N600-630

### Electrical parameter (STC)

|                                 |      |      |      |      |      |      |      |
|---------------------------------|------|------|------|------|------|------|------|
| Maximum Power - Pmax (Wp)       | 600  | 605  | 610  | 615  | 620  | 625  | 630  |
| Maximum Power Voltage - Vmp(V)  | 46.3 | 46.5 | 46.7 | 46.8 | 47.0 | 47.1 | 47.3 |
| Maximum Power Current - Imp(A)  | 13.0 | 13.0 | 13.1 | 13.1 | 13.2 | 13.3 | 13.3 |
| Open-circuit Voltage - Voc (V)  | 55.8 | 56.0 | 56.1 | 56.3 | 56.4 | 56.6 | 56.7 |
| Short-circuit Current - Isc (A) | 13.6 | 13.7 | 13.7 | 13.8 | 13.9 | 13.9 | 14.0 |
| Module Eff,(%)                  | 21.5 | 21.7 | 21.8 | 22.0 | 22.2 | 22.4 | 22.6 |

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

### Electrical parameter with 10% Solar Irradiation

|                                   |      |      |      |      |      |      |      |
|-----------------------------------|------|------|------|------|------|------|------|
| Reference Module Power Pmax (STC) | 600  | 605  | 610  | 615  | 620  | 626  | 630  |
| Maximum Power - Pmax (Wp)         | 660  | 666  | 671  | 677  | 682  | 688  | 693  |
| Maximum Power Voltage - Vmp(V)    | 46.3 | 46.5 | 46.7 | 46.8 | 47.0 | 47.1 | 47.3 |
| Maximum Power Current - Imp(A)    | 14.3 | 14.3 | 14.4 | 14.5 | 14.5 | 14.6 | 14.7 |
| Open-circuit Voltage - Voc (V)    | 55.8 | 56.0 | 56.1 | 56.3 | 56.4 | 56.6 | 56.7 |
| Short-circuit Current - Isc (A)   | 15.1 | 15.2 | 15.3 | 15.3 | 15.4 | 15.5 | 15.5 |

### Pmax with additional % Solar Irradiation

|                           |     |     |     |     |     |     |     |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|
| Maximum Power - Pmax (Wp) | 600 | 605 | 610 | 615 | 620 | 626 | 600 |
| <b>Pmax Wp @ 5%</b>       | 630 | 636 | 641 | 646 | 651 | 657 | 662 |
| <b>Pmax Wp @10%</b>       | 660 | 666 | 671 | 677 | 682 | 688 | 693 |
| <b>Pmax Wp @15%</b>       | 691 | 696 | 702 | 707 | 713 | 719 | 725 |
| <b>Pmax Wp @20%</b>       | 721 | 726 | 732 | 738 | 744 | 751 | 756 |

### Electrical parameter(NOCT)

|                                 |       |        |       |       |       |       |
|---------------------------------|-------|--------|-------|-------|-------|-------|
| Maximum Power - Pmax (Wp)       | 455   | 458    | 462   | 465   | 467   | 471   |
| Maximum Power Voltage - Vmp(V)  | 43.61 | 43.715 | 43.82 | 43.94 | 44    | 44.15 |
| Maximum Power Current - Imp(A)  | 10.44 | 10.49  | 10.53 | 10.58 | 10.62 | 10.67 |
| Open-circuit Voltage - Voc (V)  | 53.01 | 53.15  | 53.29 | 53.43 | 53.57 | 53.71 |
| Short-circuit Current - Isc (A) | 10.99 | 11.04  | 11.09 | 11.14 | 11.19 | 11.24 |

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

### Application Conditions

|                                           |                 |
|-------------------------------------------|-----------------|
| Operating Temperature                     | -40 °C ~ +85 °C |
| Maximum System Voltage                    | 1500 VDC        |
| Maximum fuse rating                       | 30 A            |
| Nominal Operating Cell Temperature - NOCT | 45±2 °C         |
| Bifacial Factor                           | 80±5 %          |

