

HIGON TOPCON

HGN-72HC10

565-585Wp

MONOFACIAL HALF CELL N-TYPE



N Type technology: The N-type module has better reliability and lower LID/LETID



More energy yield over the same area even on cloudy or hot days



Regional value creation, made without lead and produced using 100% renewable energy.



Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free



Highly transparent self-cleaning glass brings additional yield and easy maintenance



Sand blowing test, salt mist test and ammonia test passed to endure harsh environments

Higon Reliable Quality

- World-class manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO 9001, ISO 14001 and ISO 45001
- Long term reliability tests
- 3X100% EL inspection ensuring defect-free modules



THE IDEAL SOLUTION FOR:



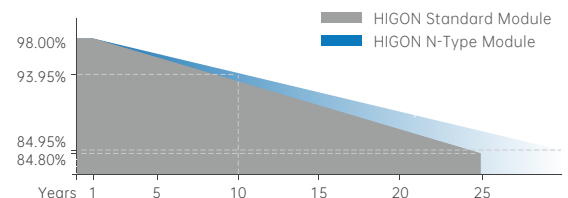
Commercial Rooftop
Residential Rooftop



Ground-mounted
solar plants

Performance Warranty

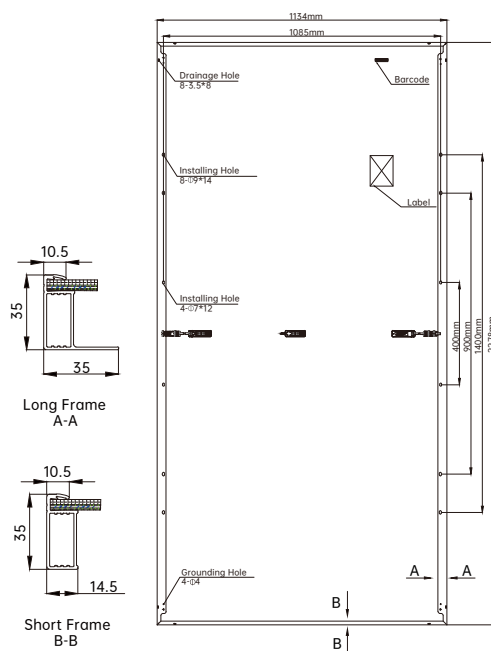
- 15 Years Product Warranty
- 30 Years Linear Power Warranty
- 2% Degradation in 1st year
- 4.5% Annual Degradation Over 30 Years



HIGON TOPCON HGXXXN-72HC10(XXX=565-585Wp)

Mechanical Characteristics

| | |
|------------------------------|-------------------------------------|
| Solar Cell | Monocrystalline silicon 182mm |
| No. of Cells | 144 (6×24) |
| Dimensions | 2278×1134×35mm |
| Weight | 27.8 kg |
| Front Glass | High transparency solar glass 3.2mm |
| Cable | 4.0mm ² , 300mm |
| Junction Box | IP68 rated(3 bypass diodes) |
| Connector | MC Compatible |
| Operating Module Temperature | -40°C to +85°C |
| Maximum System Voltage | 1500 VDC (IEC) |
| Maximum Series Fuse Rating | 25A |
| Wind/ Snow Load | 2400Pa/ 5400Pa |



Electrical Characteristics

| POWER CLASS | 565 | | 570 | | 575 | | 580 | | 585 | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Testing Condition | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum Power(Pmax/W) | 565 | 425.2 | 570 | 428.8 | 575 | 432.9 | 580 | 436.5 | 585 | 440.7 |
| Operating Voltage(Vmp/V) | 42.94 | 40.34 | 43.15 | 40.53 | 43.34 | 40.72 | 43.55 | 40.91 | 43.75 | 41.11 |
| Operating Current(Imp/A) | 13.16 | 10.54 | 13.21 | 10.58 | 13.27 | 10.63 | 13.32 | 10.67 | 13.38 | 10.72 |
| Open-Circuit Voltage(Voc/V) | 51.29 | 48.71 | 51.44 | 48.85 | 51.59 | 49.00 | 51.75 | 49.14 | 51.90 | 49.28 |
| Short-Circuit Current(Isc/A) | 13.86 | 11.19 | 13.92 | 11.24 | 13.98 | 11.29 | 14.04 | 11.34 | 14.10 | 11.391 |
| Module Efficiency(%) | 21.7 | | 22.1 | | 22.3 | | 22.5 | | 22.6 | |

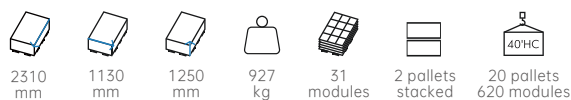
STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;

NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

Temperature Characteristics

| | |
|---|-----------|
| Nominal Module Operating Temperature (NMOT) | 45 ± 2 °C |
| Temperature Coefficient of Pmax | -0.29%/°C |
| Temperature Coefficient of Voc | -0.25%/°C |
| Temperature Coefficient of Isc | 0.045%/°C |

Packing Configuration



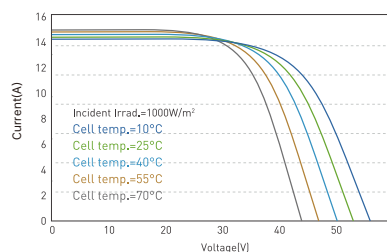
Notice: All data and specifications are preliminary and subject to change without notice.

Contact Us for More Information

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Graphs

I-V Curve at different Temperature (585W)



I-V/P-V Curve at different Irradiation (585W)

