

## 570-600W

### Supreme Quality



Module efficiency up to 23.2% based on N-Type wafer and TOPCon technology



More power output in field operation due to better thermal behaviors, weak-light performance and bifaciality



Unsusceptible to LID, LeTID and less annual degradation due to special characteristics of N-Type



High module quality ensures long-term reliability

### Module Characteristics

-Year  
Product Warranty

-Year  
Linear Power Warranty

First Year Degradation

Annual Power Degradation



IEC 61215(2021) / IEC 61730(2023)

ISO 9001: 2015: ISO Quality Management System

Anti-PID / Ammonia / Salt-mist / Dust and sand

Made in China

600W

Maximum Power

23.2%

Highest Conversion Efficiency

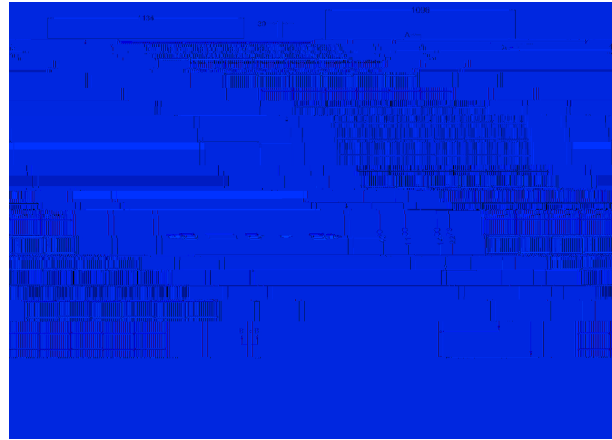
1%

First Year Degradation

0.4%

2-30 Years Annual Power Attenuation

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| Technical Specifications |                                                   |
| Cell Type                | N-Type TOPCon                                     |
| No. of cells             | 144 (2×72)                                        |
| Output Cables            | TÜV 1×4mm <sup>2</sup>                            |
|                          | (+)300mm, (-)200mm in length or customized length |
| Glass                    | Front: 2.0mm, AR-coating, semi-tempered           |
| Frame                    | Anodized aluminum alloy frame                     |
| Weight                   | 31.0 kg (68.34 lbs)                               |
| Dimension                | 2278×1134×30mm                                    |
| Packaging                | 37 pcs per pallet                                 |
|                          | 148 pcs per 20' HC, 740 pcs per 40' HC            |
| Protection Class         | Class II                                          |



\* Length:±2mm Width:±2mm Height:±1mm Row Pitch:±2mm

(STC 1000W/M<sup>2</sup> 25 °C AM1.5)

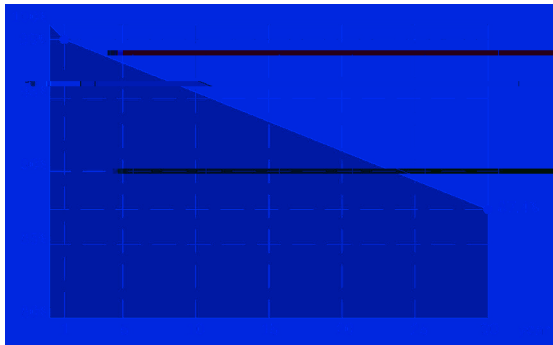
| Module type                                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Test Condition                             | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  |
| Maximum power (P <sub>max</sub> /W)        | 570   | 431   | 575   | 435   | 580   | 438   | 585   | 442   | 590   | 446   | 595   | 450   | 600   | 454   |
| Open Circuit Voltage (V <sub>oc</sub> /V)  | 51.07 | 48.40 | 51.27 | 48.54 | 51.47 | 48.77 | 51.67 | 48.96 | 51.87 | 49.13 | 52.07 | 49.28 | 52.27 | 49.43 |
| Short-circuit Current (I <sub>sc</sub> /A) | 14.25 | 11.49 | 14.31 | 11.54 | 14.37 | 11.59 | 14.43 | 11.64 | 14.49 | 11.69 | 14.55 | 11.74 | 14.61 | 11.79 |
| Maximum Power Voltage (V <sub>mp</sub> /V) | 42.29 | 40.00 | 42.44 | 40.13 | 42.59 | 40.30 | 42.74 | 40.41 | 42.89 | 40.59 | 43.05 | 40.79 | 43.23 | 40.95 |
| Maximum Power Current (I <sub>mp</sub> /A) | 13.48 | 10.77 | 13.55 | 10.84 | 13.62 | 10.87 | 13.69 | 10.94 | 13.76 | 10.99 | 13.82 | 11.04 | 13.88 | 11.09 |
| Module Efficiency(%)                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

· Maximum system voltage:1500V

· Maximum series fuse rating:30A

· J-Box:IP68

Guaranteed Module Performance



At least 87.4% of nominal power up to 30 years

|                            |            |
|----------------------------|------------|
| Operating temperature      | -40 ~ +85  |
| Power tolerance            | 0 ~ +5W    |
| Maximum system voltage     | 1500V(IEC) |
|                            | 45±2       |
| Maximum Series Fuse Rating | 35A        |
| Junction Box               | IP68       |

Temperature coefficient of I<sub>sc</sub> + 0.045%/°CTemperature coefficient of V<sub>oc</sub> - 0.25%/°CTemperature coefficient of P<sub>max</sub> - 0.29%/°C

Front Side Maximum Static Loading 5400Pa

Rear Side Maximum Static Loading 2400Pa

Hailstone test 25mm hailstone at 23m/s

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Product data is updated as of May 2024. Gokin Solar Co., Ltd. reserves the right to change specifications.