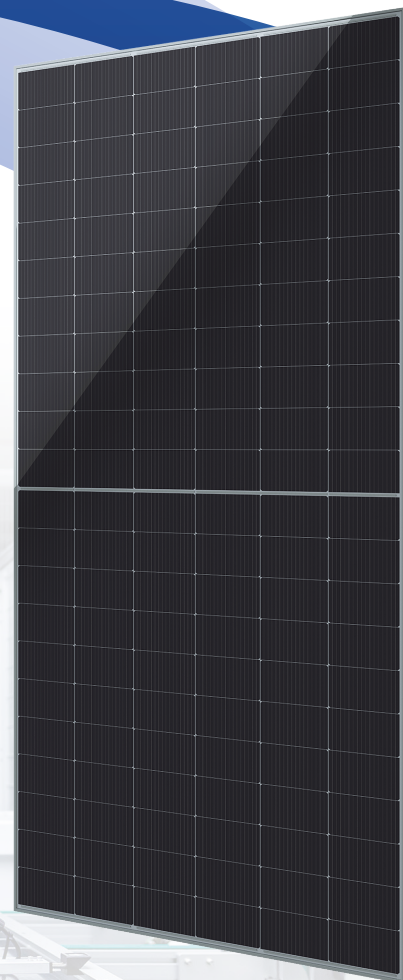


## FLAMINGO G12/132D 700-725W



### Supreme Quality



#### High Efficiency

Module efficiency up to 23.3% based on N-Type wafer and TOPCon technology



#### Excellent Energy Yield

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



#### Anti-degradation

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



#### Quality Guarantee

High module quality ensures long-term reliability

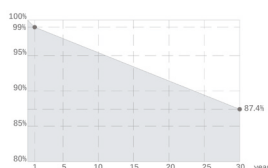
### Module Characteristics

**15-Year**  
Product Warranty

**30-Year**  
Linear Power Warranty

**1%**  
First Year Degradation

**0.4%**  
Annual Power Degradation



At least 87.4% of nominal power up to 30 years



IEC 61215(2021) / IEC 61730(2023)

ISO 9001: 2015: ISO Quality Management System

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

Made in China

725W

Maximum Power

23.3%

Highest Conversion Efficiency

1%

First Year Degradation

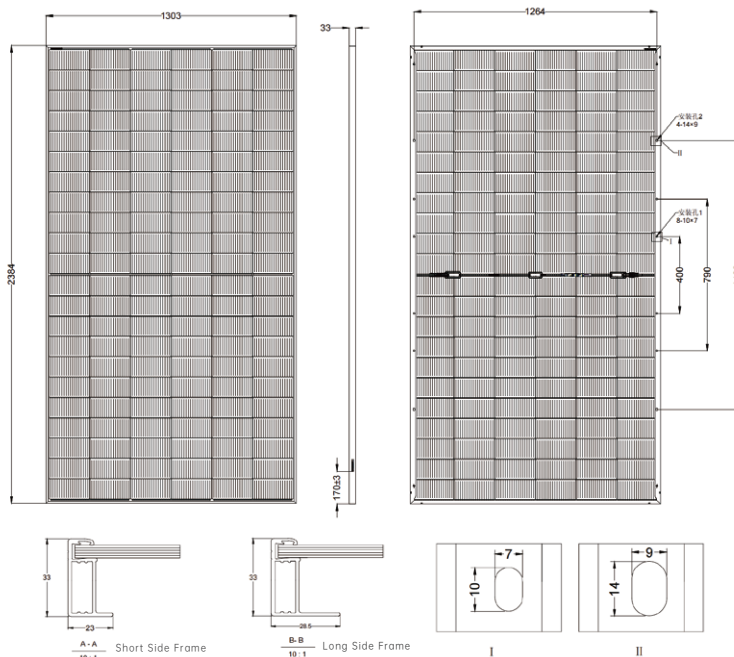
0.4%

2-30 Years Annual Power Attenuation

## Mechanical Parameters

|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| Cell Type        | N-Type TOPCon                                                                 |
| No. of cells     | 132 (2×66)                                                                    |
| Output Cables    | TÜV 1×4mm <sup>2</sup><br>(+)350mm,(-)280mm in length<br>or customized length |
| Glass            | Front: 2.0mm, AR-coating, semi-tempered<br>Rear: 2.0mm, semi-tempered         |
| Frame            | Anodized aluminum alloy frame                                                 |
| Weight           | 37.1 kg (81.79 lbs)                                                           |
| Dimension        | 2384×1303×33mm                                                                |
| Packaging        | 33 pcs per pallet<br>594 pcs per 40' HC                                       |
| Protection Class | Class II                                                                      |
| Fire Rating      | IEC Class A                                                                   |

## Engineering Drawings



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

## Electrical Characteristics (STC Test)

| Module Type                                | GK-2-66HTBD-700M |       | GK-2-66HTBD-705M |       | GK-2-66HTBD-710M |       | GK-2-66HTBD-715M |       | GK-2-66HTBD-720M |       | GK-2-66HTBD-725M |       |
|--------------------------------------------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|
| Testing Condition                          | STC              | NOCT  | STC              | NOCT  | STC              | NOCT  | STC              | NOCT  | STC              | NOCT  | STC              | NOCT  |
| Maximum Power (P <sub>max</sub> /W)        | 700              | 529   | 705              | 532   | 710              | 536   | 715              | 540   | 720              | 543   | 725              | 547   |
| Open-circuit Voltage (V <sub>oc</sub> /V)  | 47.90            | 45.36 | 48.68            | 46.20 | 48.91            | 46.38 | 49.14            | 46.56 | 49.36            | 46.74 | 49.55            | 46.92 |
| Short-circuit Current (I <sub>sc</sub> /A) | 18.08            | 14.58 | 18.11            | 14.61 | 18.15            | 14.65 | 18.19            | 14.68 | 18.24            | 14.71 | 18.32            | 14.74 |
| Maximum Power Voltage (V <sub>mp</sub> /V) | 41.10            | 38.90 | 41.29            | 38.97 | 41.50            | 39.12 | 41.69            | 39.27 | 41.91            | 39.38 | 42.10            | 39.55 |
| Maximum Power Current (I <sub>mp</sub> /A) | 17.04            | 13.60 | 17.07            | 13.65 | 17.11            | 13.70 | 17.15            | 13.75 | 17.18            | 13.79 | 17.22            | 13.83 |
| Module Efficiency (%)                      | 22.5             |       | 22.7             |       | 22.9             |       | 23.0             |       | 23.2             |       | 23.3             |       |

Note: 1. STC: Irradiance 1000W/M<sup>2</sup>, Cell Temperature 25°C, AM=1.52. NOCT: Irradiance 800W/M<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1M/S

## Different Rearside Power Gain (Reference to 715W)

|                                            |       |       |       |
|--------------------------------------------|-------|-------|-------|
| Rearside Power Gain                        | 5%    | 10%   | 20%   |
| Maximum Power at STC (P <sub>max</sub> )   | 750.8 | 786.5 | 858.0 |
| Open-circuit Voltage (V <sub>oc</sub> /V)  | 49.1  | 49.1  | 49.1  |
| Short-circuit Current (I <sub>sc</sub> /A) | 19.1  | 20.0  | 21.8  |
| Maximum Power Voltage (V <sub>mp</sub> /V) | 41.7  | 41.7  | 41.7  |
| Maximum Power Current (I <sub>mp</sub> /A) | 18.0  | 18.9  | 20.6  |
| Module Efficiency (%)                      | 24.2  | 25.3  | 27.6  |

\*The above data is for reference only. When signing a contract, the latest version of the product specification shall prevail.

## Temperature Ratings (STC)

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

## Working Parameters

|                            |              |
|----------------------------|--------------|
| Operating Temperature      | -40°C~ +85°C |
| Power Tolerance            | 0~ +5W       |
| Maximum System Voltage     | 1500V(IEC)   |
| NMOT                       | 45±2°C       |
| Maximum Series Fuse Rating | 35A          |
| Bifacial Factor            | 80±5%        |
| Junction Box               | IP68         |

## Mechanical Loading

|                                   |                         |
|-----------------------------------|-------------------------|
| Front Side Maximum Static Loading | 5400Pa                  |
| Rear Side Maximum Static Loading  | 2400Pa                  |
| Hailstone Test                    | 25mm hailstone at 23m/s |

Gokin



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