

G11RA-72P N-type Bifacial Double Glass Module

HSM-BD72-GC640~665

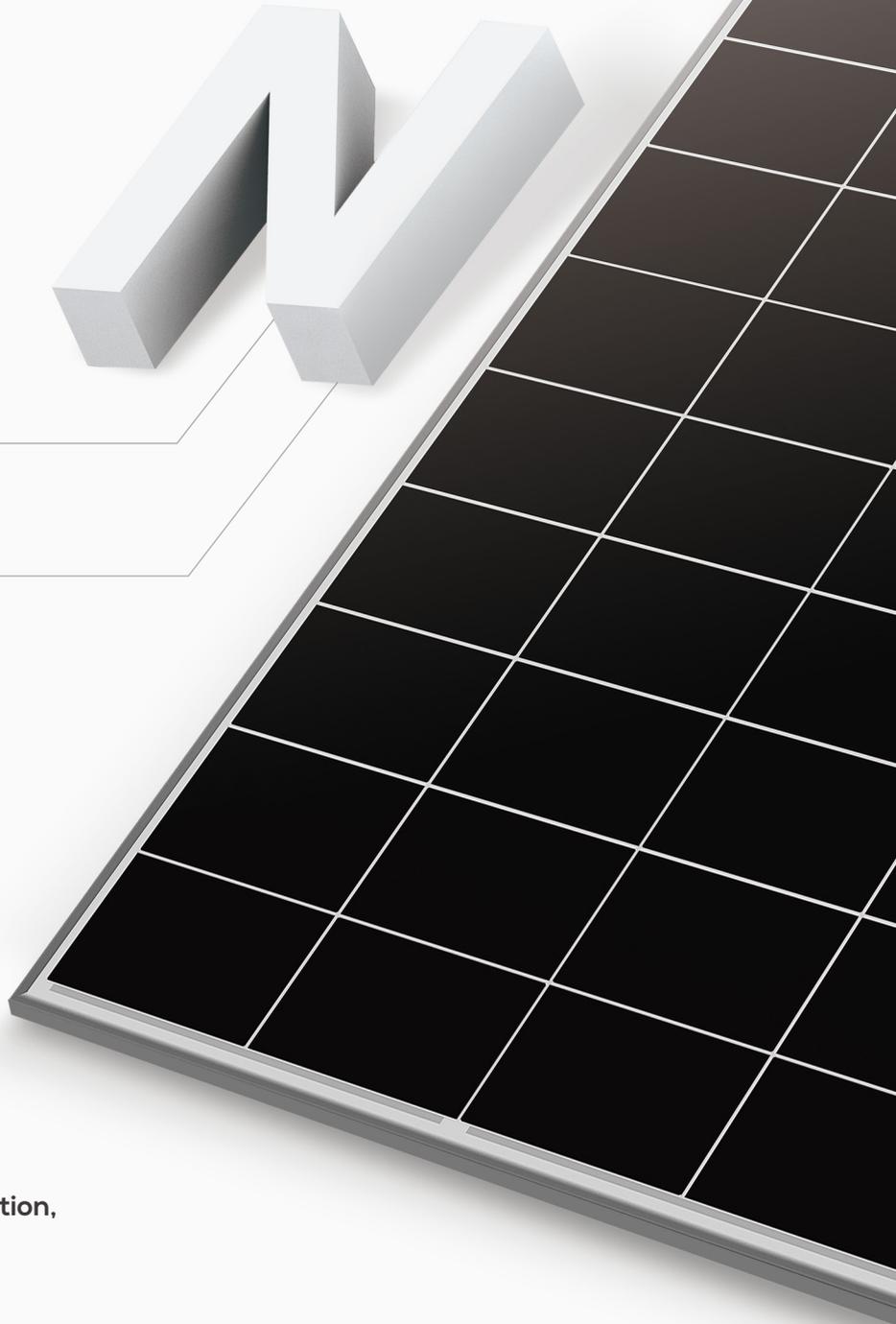


665W

Maximum Power Output

24.6%

Maximum Efficiency



Higher energy density;
lower operating temperature



Lower hotspot temperature;
reduce risk of micro-cracks



Refined design,
Busbar-free front side



Comprehensive supply chain integration,
redefining BC standards

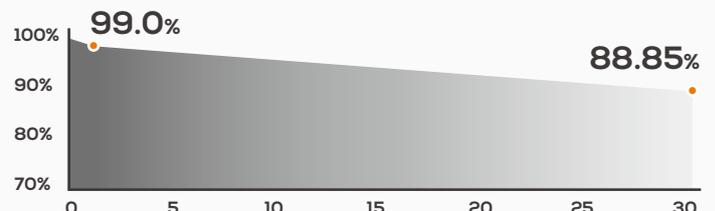
Linear Performance Warranty



15 Years
Product Warranty



30 Years Linear
Performance Warranty



Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 ISO 9001:2015 ISO 45001:2018 ISO 14001:2015

Electrical Parameters (STC* & BNPI*)

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5, Measuring Tolerance: ±2%
* BNPI: Back Irradiance 135W/m², Cell temperature 25°C, Atmospheric quality AM 1.5G, Wind speed 1m/s

| Testing Condition | | STC | BNPI |
|-----------------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum Power | P _{max} (W) | 640 | 698 | 645 | 704 | 650 | 709 | 655 | 715 | 660 | 720 | 665 | 726 |
| Open Circuit Voltage | V _{oc} (V) | 53.80 | 53.91 | 53.90 | 54.05 | 54.00 | 54.13 | 54.10 | 54.25 | 54.20 | 54.33 | 54.30 | 54.45 |
| Short Circuit Current | I _{sc} (A) | 15.04 | 16.40 | 15.12 | 16.50 | 15.20 | 16.58 | 15.28 | 16.68 | 15.36 | 16.76 | 15.44 | 16.85 |
| Maximum Power Voltage | V _{mp} (V) | 45.10 | 45.07 | 45.20 | 45.22 | 45.30 | 45.28 | 45.40 | 45.40 | 45.50 | 45.49 | 45.60 | 45.61 |
| Maximum Power Current | I _{mp} (A) | 14.20 | 15.49 | 14.27 | 15.57 | 14.35 | 15.66 | 14.43 | 15.75 | 14.51 | 15.83 | 14.59 | 15.92 |
| Module Efficiency | (%) | 23.7 | | 23.9 | | 24.1 | | 24.2 | | 24.4 | | 24.6 | |

Temperature Coefficient

| | |
|---|-----------|
| Nominal Module Operating Temperature* | 43±2°C |
| Temperature Coefficient of I _{sc} | +0.05%/°C |
| Temperature Coefficient of V _{oc} | -0.22%/°C |
| Temperature Coefficient of P _{max} | -0.26%/°C |

Operating Parameters

| | |
|----------------------------|-----------|
| Operating Temperature | -40~+85°C |
| Maximum System Voltage | 1500V DC |
| Maximum Series Fuse Rating | 25A |
| Power Bifaciality | 75±5% |

Mechanical Data

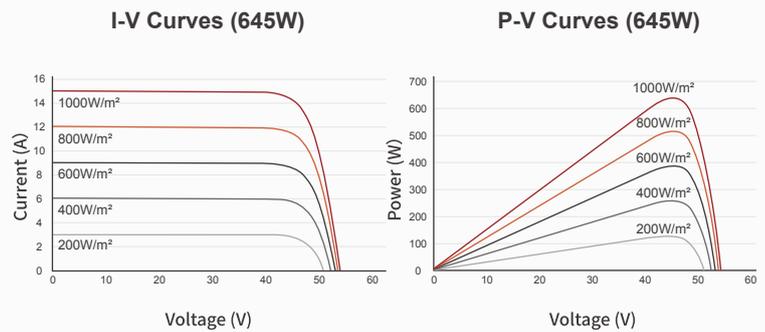
* Please refer to installation manual for details

| | |
|---------------------|---|
| No. of Cells | 144pcs (6×24) |
| Dimension | 2382×1134×30 mm |
| Weight | 32.3kg±3% |
| Front Glass | 2.0mm, Heat Strengthened, AR coating Glass |
| Back Glass | 2.0mm, Heat Strengthened Glass |
| Frame | Anodized Aluminium Alloy |
| J-Box | IP68, three diodes |
| Cables | 4.0mm ² , +300mm, -200mm (can be customized) |
| Maximum Static Load | Front: 5400Pa/Back: 2400Pa* |
| Fire Rating | IEC Class C |

Packaging Configuration

| | |
|-----------------------------|--------|
| Modules per Pallet | 36pcs |
| Modules per 40'HQ Container | 720pcs |
| Pallets per 40'HQ Container | 20pcs |

Curve Graph



Engineering Drawing

[Unit: mm]

