

Silver Series

## ERA Pro-72HCDG

Product Range

# 575-600W

N-Type Bifacial  
Double Glass

600W

Maximum Power Output

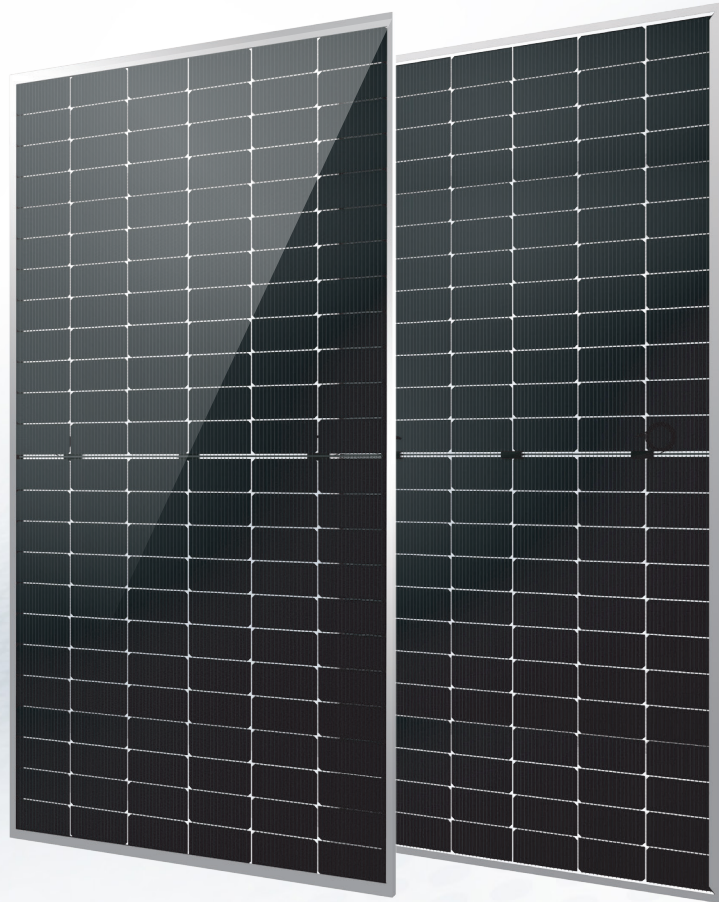
0~+5W

Positive Power Tolerance

22.66%

Maximum Efficiency

ERA<sup>®</sup>  
SOLAR



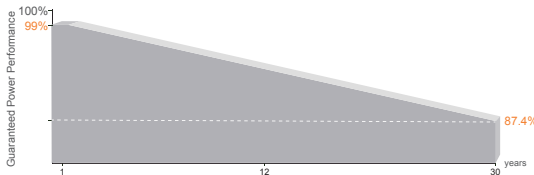
### Linear Performance Warranty

15 Year Product Warranty

30 Year Linear Power Warranty

<1% First year Power Degradation

<0.4% Year 2-30 Power Degradation



### Certifications

Quality Management System and Product Certification.

IEC61215(2021), IEC61730(2023), IEC61701

IEC61215-2 (bifaciality): 2021

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems



### MBB Half-Cut Solar Cell

182x91mm, 144 cells.



### Higher Module Conversion Efficiency

Higher module output up to 600W with module efficiency up to 22.66%.



### Low-Light Performance

Advanced glass and surface texturing allow for excellent performance in low-light environments.



### Transparent Dual-glass Design

Excellent fire rating, with better temperature coefficient.



### Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

## Double Glass, 182mm , 72-CELL HALF-CUT SERIES

### ELECTRICAL PARAMETERS AT STC

|                                                   |                        |   |        |   |        |   |        |   |        |   |        |
|---------------------------------------------------|------------------------|---|--------|---|--------|---|--------|---|--------|---|--------|
| Module Type: ERA Pro-72HCDG                       | 575M                   | / | 580M   | / | 585M   | / | 590M   | / | 595M   | / | 600M   |
| Maximum Power(Wp)                                 | 575W                   |   | 580W   |   | 585W   |   | 590W   |   | 595W   |   | 600W   |
| Open Circuit Voltage(Voc)                         | 52.45V                 |   | 52.60V |   | 52.75V |   | 52.90V |   | 53.05V |   | 53.20V |
| Short Circuit Current(Isc)                        | 13.82A                 |   | 13.89A |   | 13.96A |   | 14.03A |   | 14.10A |   | 14.17A |
| Maximum Power Voltage(Vm)                         | 43.70V                 |   | 43.85V |   | 44.00V |   | 44.15V |   | 44.28V |   | 44.42V |
| Maximum Power Current(Imp)                        | 13.16A                 |   | 13.23A |   | 13.30A |   | 13.37A |   | 13.44A |   | 13.51A |
| Module Efficiency                                 | 21.72%                 |   | 21.90% |   | 22.09% |   | 22.28% |   | 22.47% |   | 22.66% |
| Maximum Series Fuse                               | 25A                    |   |        |   |        |   |        |   |        |   |        |
| Watts Positive Tolerance                          | 0~+5W                  |   |        |   |        |   |        |   |        |   |        |
| Number Of Diode                                   | 3                      |   |        |   |        |   |        |   |        |   |        |
| Standard Test Conditions                          | 1000W/M²,25°C,AM1.5    |   |        |   |        |   |        |   |        |   |        |
| Maximum System Voltage                            | 1500V/DC               |   |        |   |        |   |        |   |        |   |        |
| Temperature-Coefficient Isc                       | +0.043%/°C             |   |        |   |        |   |        |   |        |   |        |
| Temperature-Coefficient Voc                       | -0.24%/°C              |   |        |   |        |   |        |   |        |   |        |
| Temperature-Coefficient Pmpp                      | -0.30%/°C              |   |        |   |        |   |        |   |        |   |        |
| Operating Temperature                             | -40°C...+85°C          |   |        |   |        |   |        |   |        |   |        |
| Normal Operating Cell Temperature                 | 45±2°C                 |   |        |   |        |   |        |   |        |   |        |
| Load Capacity For The Cover Of The Module (Glass) | 5400Pa(IEC61215)(snow) |   |        |   |        |   |        |   |        |   |        |
| Load Capacity For The Front & Back Of The Module  | 2400Pa(IEC61215)(wind) |   |        |   |        |   |        |   |        |   |        |

### 144HC BNPI (1000w/m² + 135w/m²)

|                             |        |   |        |   |        |   |        |   |        |   |        |
|-----------------------------|--------|---|--------|---|--------|---|--------|---|--------|---|--------|
| Module Type: ERA Pro-72HCDG | 575M   | / | 580M   | / | 585M   | / | 590M   | / | 595M   | / | 600M   |
| Maximum Power(Wp)           | 633W   |   | 638W   |   | 644W   |   | 649W   |   | 654W   |   | 659W   |
| Open Circuit Voltage(Voc)   | 52.45V |   | 52.60V |   | 52.75V |   | 52.90V |   | 53.05V |   | 53.20V |
| Short Circuit Current(Isc)  | 15.20A |   | 15.28A |   | 15.35A |   | 15.43A |   | 15.49A |   | 15.55A |
| Maximum Power Voltage(Vm)   | 43.72V |   | 43.85V |   | 44.02V |   | 44.12V |   | 44.28V |   | 44.44V |
| Maximum Power Current(Imp)  | 14.48A |   | 14.55A |   | 14.63A |   | 14.71A |   | 14.77A |   | 14.83A |

### 144HC BSI (1000w/m² + 300w/m²)

|                             |        |   |        |   |        |   |        |   |        |   |        |
|-----------------------------|--------|---|--------|---|--------|---|--------|---|--------|---|--------|
| Module Type: ERA Pro-72HCDG | 575M   | / | 580M   | / | 585M   | / | 590M   | / | 595M   | / | 600M   |
| Maximum Power(Wp)           | 708W   |   | 714W   |   | 720W   |   | 726W   |   | 732W   |   | 738W   |
| Open Circuit Voltage(Voc)   | 52.45V |   | 52.60V |   | 52.75V |   | 52.90V |   | 53.05V |   | 53.20V |
| Short Circuit Current(Isc)  | 17.00A |   | 17.09A |   | 17.18A |   | 17.26A |   | 17.34A |   | 17.42A |
| Maximum Power Voltage(Vm)   | 43.73V |   | 43.86V |   | 44.01V |   | 44.14V |   | 44.29V |   | 44.44V |
| Maximum Power Current(Imp)  | 16.19A |   | 16.28A |   | 16.36A |   | 16.45A |   | 16.53A |   | 16.61A |

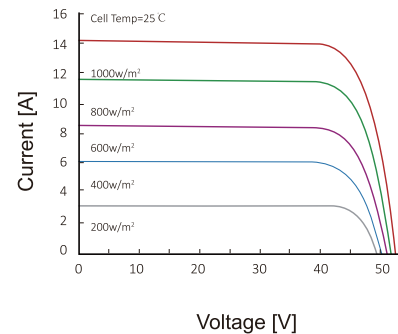
### MECHANICAL CHARACTERISTICS

|                                         |                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------|
| Front/Back Cover (Material / Thickness) | low-iron tempered glass 2.0 / 2.0 mm                                           |
| Cell (Quantity / Material / Dimensions) | 144(6x12x2) / monocrystalline silicon,bifacial                                 |
| Frame (Material / Color)                | aluminum hollow-chamber frame on each side<br>anodized aluminum alloy / silver |
| Junction Box (Protection Degree)        | ≥IP68                                                                          |
| Cables & Plug Connectors                | 4mm², 300mm in length,length can be customized                                 |
| Module Dimensions (L / W / H)           | 2278x1134x30/35mm                                                              |
| Module Weight                           | 30.5kg / 31kg                                                                  |
| Application Class                       | Class A                                                                        |
| Electrical Protection Class             | Class II                                                                       |
| Fire Safety Class                       | Class A                                                                        |

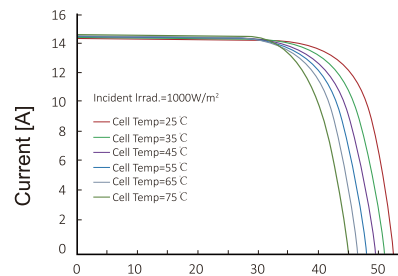
### PACKING

| Container Size | Units/Pallet (PCS) | Weight/Pallet (KG) | Pallet Measurement (mm) | Units/Container (PCS) |
|----------------|--------------------|--------------------|-------------------------|-----------------------|
| 40HQ           | 36 (30mm)          | 1140               | 2300x1120x1260          | 720                   |
|                | 31 (35mm)          | 1000               | 2300x1120x1260          | 620                   |

### CURRENT-VOLTAGE CURVES:



Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

### MODULE DIAGRAM:

