

ERA Pro-72HC

N-Type Mono-crystalline

KEY FEATURES



MBB Half-Cut Solar Cell:
144 cells (6x12x2).



Higher Module Conversion Efficiency:
Higher module output up to 580W with module efficiency up to 22.45%.



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



Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.



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



**WATTS
POSITIVE
TOLERANCE**



**15 YEARS
PRODUCT
WARRANTY**



**30 YEARS LINEAR
POWER WARRANTY**

TOPCon

182mm , 72-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

| | | | | | |
|---|------------------------|--------|--------|--------|--------|
| Module type: ERA Pro-72HC | 560M | 565M | 570M | 575M | 580M |
| Maximum Power(Wp) | 560W | 565W | 570W | 575W | 580W |
| Open circuit Voltage(Voc) | 50.30V | 50.45V | 50.60V | 50.75V | 50.90V |
| Short circuit Current(Isc) | 13.97A | 14.04A | 14.11A | 14.18A | 14.25A |
| Maximum Power Voltage(Vm) | 41.92V | 42.07V | 42.22V | 42.37V | 42.52V |
| Maximum Power Current(Imp) | 13.36A | 13.43A | 13.50A | 13.57A | 13.64A |
| Module efficiency | 21.67% | 21.87% | 22.06% | 22.26% | 22.45% |
| Maximum Series Fuse | 25A | | | | |
| Watts positive tolerance | 0~+3% | | | | |
| 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) | | | | |

ELECTRICAL PERFORMANCE (NOCT)

| | | | | | |
|----------------------------|--------|--------|--------|--------|--------|
| Module type: ERA Pro-72HC | 560M | 565M | 570M | 575M | 580M |
| Maximum Power(Wp) | 421W | 425W | 429W | 433W | 437W |
| Open circuit Voltage(Voc) | 47.78V | 47.91V | 48.04V | 48.17V | 48.28V |
| Short circuit Current(Isc) | 11.28A | 11.35A | 11.42A | 11.48A | 11.55A |
| Maximum Power Voltage(Vm) | 39.45V | 39.58V | 39.71V | 39.84V | 39.95V |
| Maximum Power Current(Imp) | 10.67A | 10.74A | 10.81A | 10.87A | 10.94A |

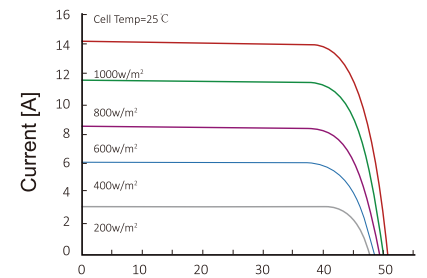
MECHANICAL CHARACTERISTICS

| | |
|---|--|
| Front cover (material / thickness) | low-iron tempered glass / 3.2mm |
| Backsheet (color) | TPT in white |
| Cell (quantity / material / dimensions) | 144(6x12x2) / monocrystalline silicon |
| Frame (material / color) | aluminum hollow-chamber frame on each side 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 | 26.6kg / 27.7kg |
| Application class | Class A |
| Electrical protection class | Class II |
| Fire safety class | Class C |

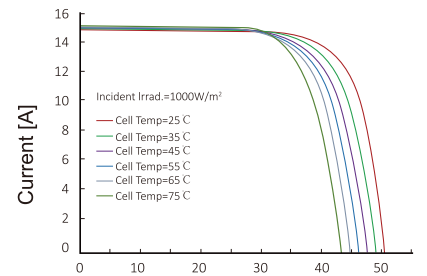
PACKING

| Container Size | Units/Pallet (PCS) | Weight/Pallet (KG) | Pallet Measurment (mm) | Units/Container (PCS) |
|----------------|--------------------|--------------------|------------------------|-----------------------|
| 40HQ | 36 (30mm) | 980 | 2300x1120x1260 | 720 |
| | 31 (35mm) | 880 | 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:

