

TOPCon

560M-580M

N-Type Mono-crystalline






EGYO Pro-72HC

Monocrystalline Half-Cut Solar Module



| | |
|-----------|-------------------|
| Colour | Full Black |
| Cables | 1200mm in length |
| Dimension | 2278x1134x30/35mm |

KEY FEATURES

-  **MBB Half-Cut Solar Cell:**
144 cells (6X24).
-  **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 backsheets 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

25 YEARS PRODUCT WARRANTY

30 YEARS LINEAR POWER WARRANTY

182mm , 72-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

| | |
|---|------------------------------------|
| Module type: ERGY 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(Im) | 13.36A 13.43A 13.50A 13.57A 13.64A |
| Module efficiency | 21.67% 21.87% 22.06% 22.25% 22.45% |
| Maximum Series Fuse | 25A |
| Watts positive tolerance | 0~+3% |
| Number of Diode | 3 |
| Standard Test Conditions | 1000W/M ² ,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: EGYO 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(Im) | 10.67A 10.74A 10.81A 10.87A 10.94A |

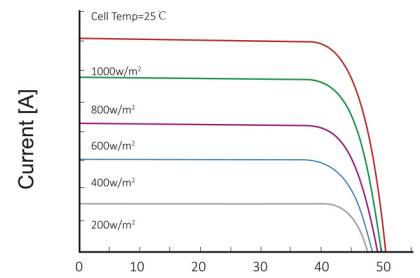
MECHANICAL CHARACTERISTICS

| | |
|---|--|
| Front cover (material / thickness) | low-iron tempered glass / 3.2mm |
| Backsheet (color) | TPT in black |
| Cell (quantity / material / dimensions) | 144(6x24) / monocrystalline silicon |
| Frame (material / color) | aluminum hollow-chamber frame on each side anodized aluminum alloy / silver |
| Junction box (protection degree) | ≥ IP68 |
| Cables & Plug connectors | 4mm ² , 1200mm 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 |

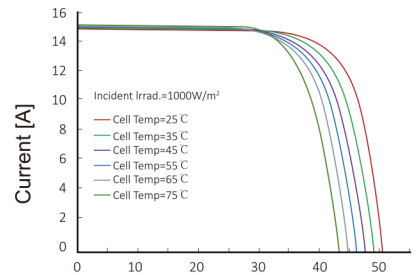
PACKING

| Container Size | Units/Pallet (PCS) | Weight/Pallet (KG) | Pallet Measurement (mm) | Units/Container (PCS) |
|----------------|--------------------|--------------------|-------------------------|-----------------------|
| 40HQ | 36 (30mm) | 980 | 2285x1130x1260 | 720 |
| | 31 (35mm) | 880 | 2285x1130x1260 | 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:

