

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

15 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(Imp)	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(Imp)	10.67A 10.74A 10.81A 10.87A 10.94A

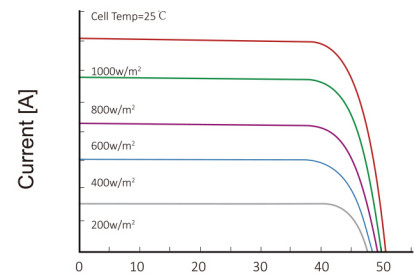
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in 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

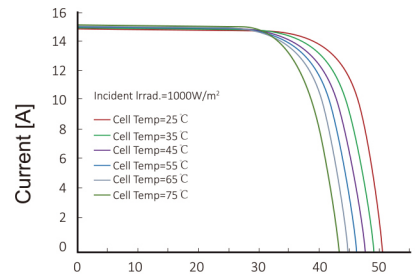
PACKING

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:

