



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(Im)	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/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: 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(Im)	10.67A		10.74A		10.81A		10.87A		10.94A

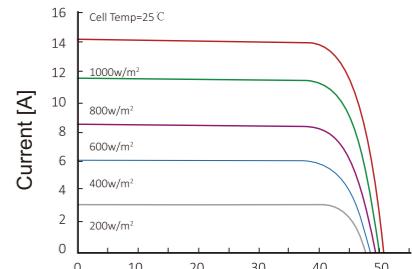
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in 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	4mm ² , 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

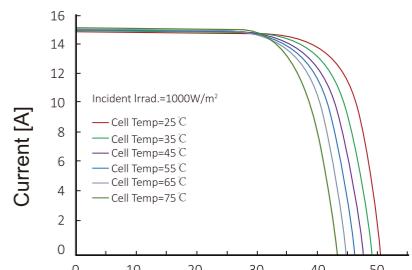
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (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:

