



ERA-72HC

Monocrystalline Half-Cut Solar Module

KEY FEATURES



MBB Half-Cut Solar Cell:
144 cells (6x12x2); 10/11 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 560W with module efficiency up to 21.67%.



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.

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**WATTS
POSITIVE
TOLERANCE**



**YEARS
PRODUCT
WARRANTY**



**YEARS LINEAR
POWER WARRANTY**



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182mm SERIES, 72-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module Type: ERA-72HC	535M	540M	545M	550M	555M	560M
Maximum Power(Wp)	535W	540W	545W	550W	555W	560W
Open Circuit Voltage(Voc)	49.35V	49.50V	49.65V	49.80V	50.02V	50.10V
Short Circuit Current(Isc)	13.78A	13.85A	13.92A	13.98A	14.07A	14.11A
Maximum Power Voltage(Vm)	41.50V	41.65V	41.80V	41.95V	42.11V	42.26V
Maximum Power Current(Imp)	12.90A	12.97A	13.04A	13.12A	13.18A	13.25A
Module Efficiency	20.7%	20.9%	21.1%	21.3%	21.5%	21.67%
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	+0.048%/°C					
Temperature-Coefficient Voc	-0.270%/°C					
Temperature-Coefficient Pmpp	-0.350%/°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-72HC	535M	540M	545M	550M	555M	560M
Maximum Power(Wp)	404.5W	408.5W	412W	416W	420W	424W
Open Circuit Voltage(Voc)	46.35V	46.50V	46.65V	46.8V	46.85V	47.00V
Short Circuit Current(Isc)	10.95A	11.00A	11.07A	11.11A	11.21A	11.28A
Maximum Power Voltage(Vm)	39.20V	39.35V	39.50V	39.65V	39.66V	39.78V
Maximum Power Current(Imp)	10.32A	10.38A	10.43A	10.51A	10.59A	10.66A

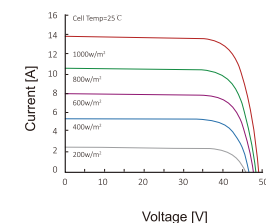
MECHANICAL CHARACTERISTICS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Backsheet (Color)	TPT in white
Cell (Quantity / Material / Dimensions)	144(6x12x2) / monocrystalline silicon, bifacial
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)	2279x1134x35mm
Module Weight	27.73kg
Application Class	Class A
Electrical Protection Class	Class II
Fire Safety Class	Class C

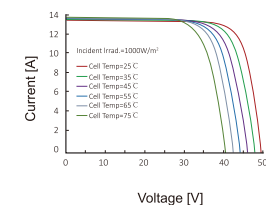
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31	900	2300x1120x1260	620

CURRENT-VOLTAGE CURVES:

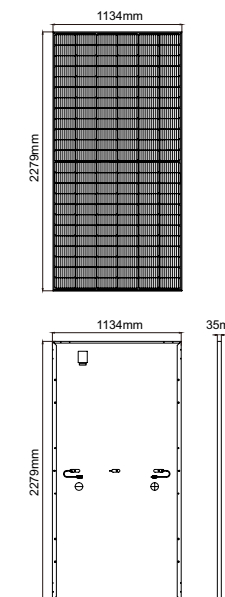


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



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

MODULE DIAGRAM:



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