

Silver Series

ERA Pro-72HCDG

Product Range

560-585W

N-Type Bifacial
Double Glass

585W

Maximum Power Output

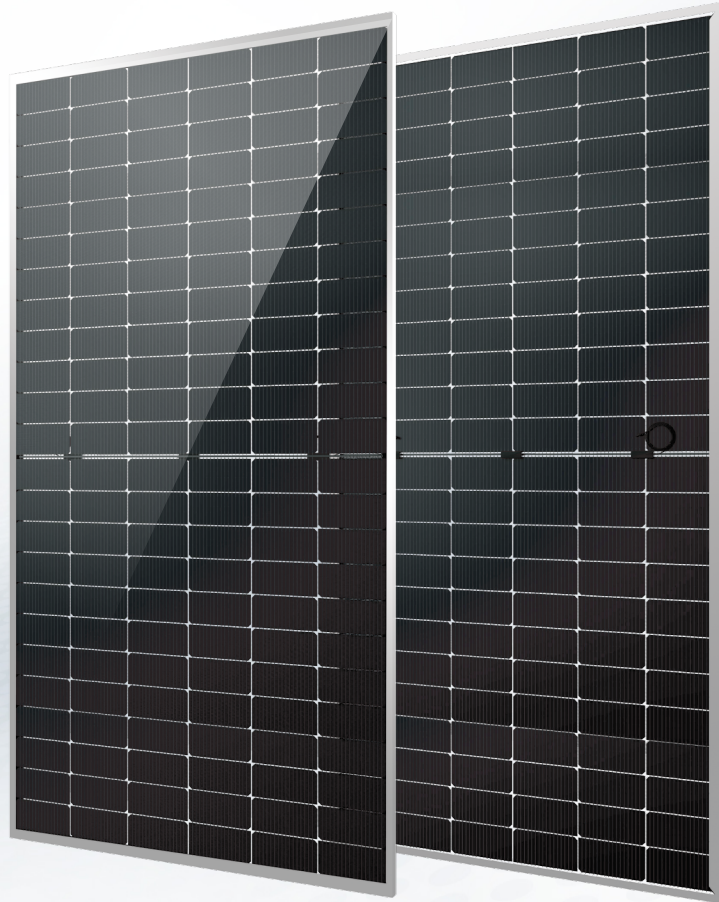
0~+5W

Positive Power Tolerance

22.65%

Maximum Efficiency

ERA
SOLAR



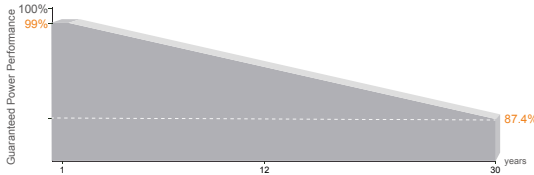
Linear Performance Warranty

15 Year Product Warranty

30 Year Linear Power Warranty

<1% First year Power Degradation

<0.4% Year 2-30 Power Degradation



Certifications

Quality Management System and Product Certification.

IEC61215(2021), IEC61730(2023), IEC61701

IEC61215-2 (bifaciality): 2021

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems



MBB Half-Cut Solar Cell

182x91mm, 144 cells.



Higher Module Conversion Efficiency

Higher module output up to 585W with module efficiency up to 22.65%.



Low-Light Performance

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



Transparent Dual-glass Design

Excellent fire rating, with better temperature coefficient.



Higher Power Output

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

Double Glass, 182mm , 72-CELL HALF-CUT SERIES

ELECTRICAL PARAMETERS AT STC

Module Type: ERA Pro-72HCDG	560M	/	565M	/	570M	/	575M	/	580M	/	585M
Maximum Power(Wp)	560W		565W		570W		575W		580W		585W
Open Circuit Voltage(Voc)	50.30V		50.45V		50.60V		50.75V		50.90V		51.10V
Short Circuit Current(Isc)	13.97A		14.04A		14.11A		14.18A		14.25A		14.31A
Maximum Power Voltage(Vm)	41.92V		42.07V		42.22V		42.37V		42.52V		42.70V
Maximum Power Current(Imp)	13.36A		13.43A		13.50A		13.57A		13.64A		13.70A
Module Efficiency	21.67%		21.86%		22.06%		22.25%		22.44%		22.64%
Maximum Series Fuse	25A										
Watts Positive Tolerance	0~+5W										
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 CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

Module Type: ERA Pro-72HCDG	560M	/	565M	/	570M	/	575M	/	580M	/	585M
Maximum Power(Wp)	605W		610W		615W		620W		625W		630W
Open Circuit Voltage(Voc)	50.3V		50.45V		50.6V		50.75V		50.90V		51.10V
Short Circuit Current(Isc)	15.09A		15.17A		15.24A		15.32A		15.39A		15.46A
Maximum Power Voltage(Vm)	41.90V		42.07V		42.22V		42.35V		42.52V		42.70V
Maximum Power Current(Imp)	14.44A		14.50A		14.57A		14.64A		14.70A		14.76A
Irradiation Ratio (Rear/Front)											
*Bifaciality=Pmax,Rear/Rated Pmax,Front											

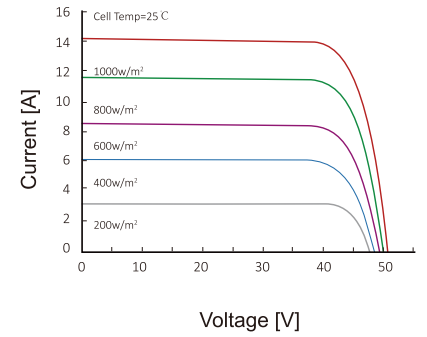
MECHANICAL CHARACTERISTICS

Front/Back Cover (Material / Thickness)	low-iron tempered glass 2.0 / 2.0 mm
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	4mm², 300mm in length,length can be customized
Module Dimensions (L / W / H)	2278x1134x30/35mm
Module Weight	31kg
Application Class	Class A
Electrical Protection Class	Class II
Fire Safety Class	Class A

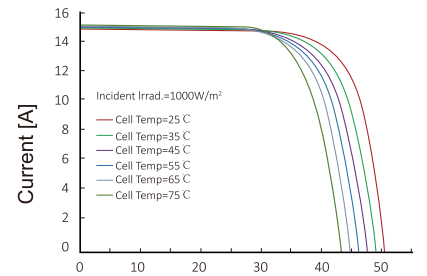
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	36 (30mm)	1140	2300x1120x1260	720
	31 (35mm)	1000	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:

