

E Pro-72HCDG

N-Type Mono-crystalline Double Glass Solar Module

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**



**25 YEARS
PRODUCT
WARRANTY**



**30 YEARS LINEAR
POWER WARRANTY** **30 YEARS 87.40%
POWER OUTPUT**

TOPCon

BIFACIAL, 182mm, 72-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type: ERA Pro-72HCDG	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/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 PERFORMANCE (NOCT)

Module type: ERA Pro-72HCDG	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

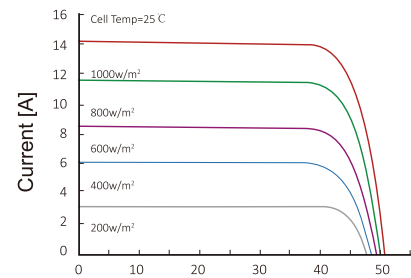
MECHANICAL CHARACTERISTICS

Front /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	26.6kg / 27.7kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

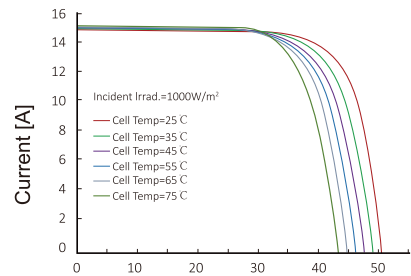
PACKING

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

