

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

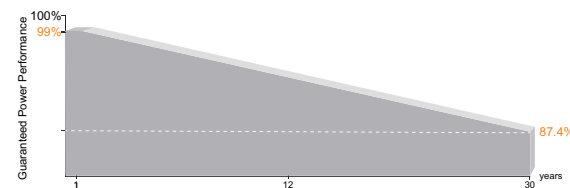
WARRANTY FOR TOPCON

LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years



182mm , 72-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type: ERA Pro-72HC	580M
Maximum Power(Wp)	580W
Open circuit Voltage(Voc)	50.90V
Short circuit Current(Isc)	14.25A
Maximum Power Voltage(Vm)	42.52V
Maximum Power Current(Imp)	13.64A
Module efficiency	22.5%
Maximum Series Fuse	25A
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-72HC	580M
Maximum Power(Wp)	437W
Open circuit Voltage(Voc)	48.28V
Short circuit Current(Isc)	11.55A
Maximum Power Voltage(Vm)	39.95V
Maximum Power Current(Imp)	10.94A

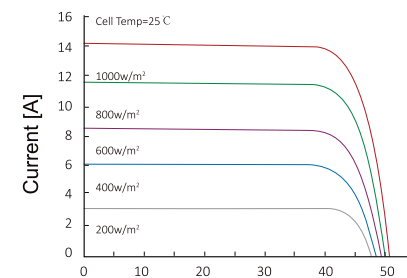
MECHANICAL CHARACTERISTICS

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	4mm², 100cm in length,length can be customized
Module Dimensions (L / W / H)	2278x1134x30mm
Module Weight	27kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

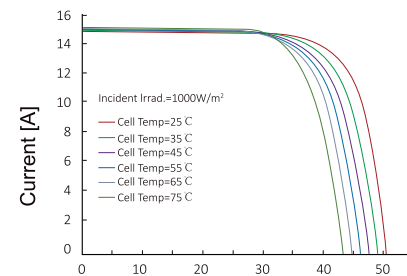
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	36 (30mm)	858	2285x1130x1260	720

CURRENT-VOLTAGE CURVES:

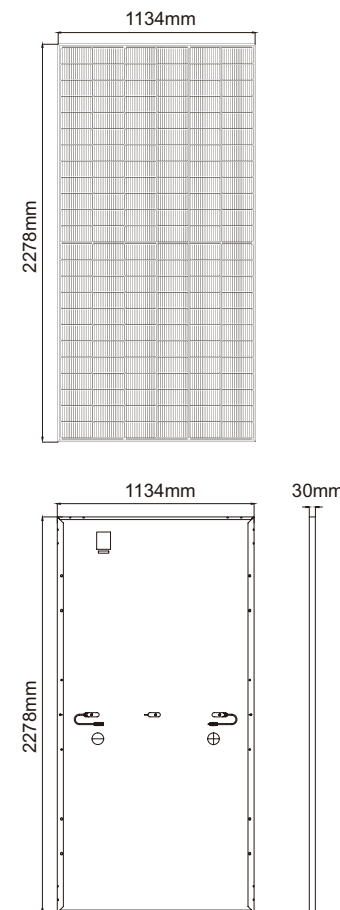


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



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

MODULE DIAGRAM:



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