



ERA-RC66HD

N-Type Rectangle Bifacial Double Glass

KEY FEATURES

MBB Half-Cut Solar Cell:
182x210mm, 132cells

Higher Module Conversion Efficiency:
Higher module output up to 620W with module efficiency up to 23%.

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.

TOPCon



Double Glass, 66-CELL HALF-CUT SERIES

ELECTRICAL PARAMETERS AT STC

Module Type: ERA-RC66HD	600M	605M	610M	615M	620M
Maximum Power(Wp)	600W	605W	610W	615W	620W
Open Circuit Voltage(Voc)	47.70V	47.90V	48.10V	48.30V	48.50V
Short Circuit Current(Isc)	15.95A	16.00A	16.05A	16.10A	16.15A
Maximum Power Voltage(Vm)	39.44V	39.60V	39.77V	39.96V	40.15V
Maximum Power Current(Im)	15.21A	15.28A	15.34A	15.39A	15.45A
Module Efficiency	22.20%	22.40%	22.60%	22.80%	23.00%
Maximum Series Fuse	25A				
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 CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

Module Type: ERA-RC66HD	600M	605M	610M	615M	620M
Maximum Power(Wp)	648W	653W	658W	663W	668.5W
Open Circuit Voltage(Voc)	47.7V	47.9V	48.1V	48.3V	48.5V
Short Circuit Current(Isc)	17.2A	17.26A	17.32A	17.37A	17.42A
Maximum Power Voltage(Vm)	39.44V	39.6V	39.77V	39.96V	40.15V
Maximum Power Current(Im)	16.43A	16.49A	16.55A	16.6A	16.65A
Irradiation Ratio (Rear/Front)	10%				

*Bifaciality=Pmax,Rear/Rated Pmax,Front

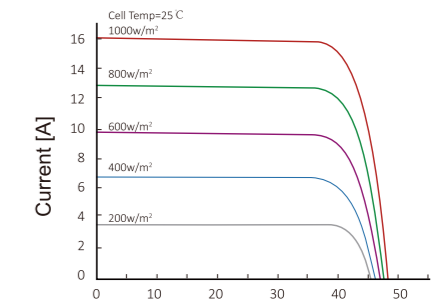
MECHANICAL CHARACTERISTICS

Front Cover (Material / Thickness)	low-iron tempered glass 2.0 / 2.0 mm
Cell (Quantity / Material / Dimensions)	132(6x11x2) / 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)	2384x1134x35mm
Module Weight	33kg
Application Class	Class A
Electrical Protection Class	Class II
Fire Safety Class	Class C

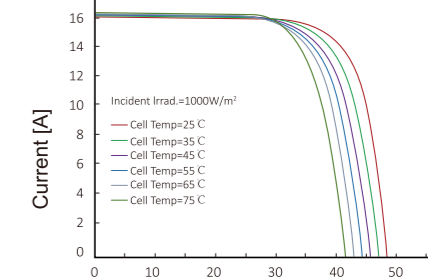
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31 (35mm)	1060	1140x1120x2540	620

CURRENT-VOLTAGE CURVES:

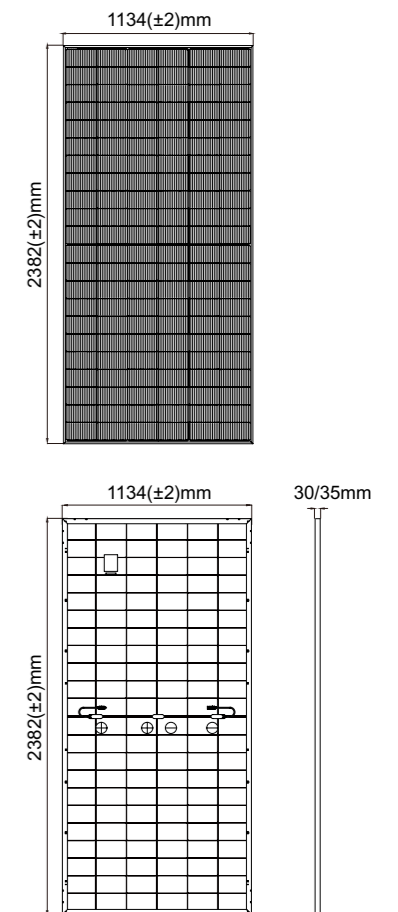


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



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

MODULE DIAGRAM:



+ WATTS POSITIVE TOLERANCE

15 YEARS PRODUCT WARRANTY

30 YEARS LINEAR POWER WARRANTY

