

Silver Series

ERA-RC-66HC(CF)

Product Range

610-630W

N-Type Rectangle Monofacial
High Efficiency

630W

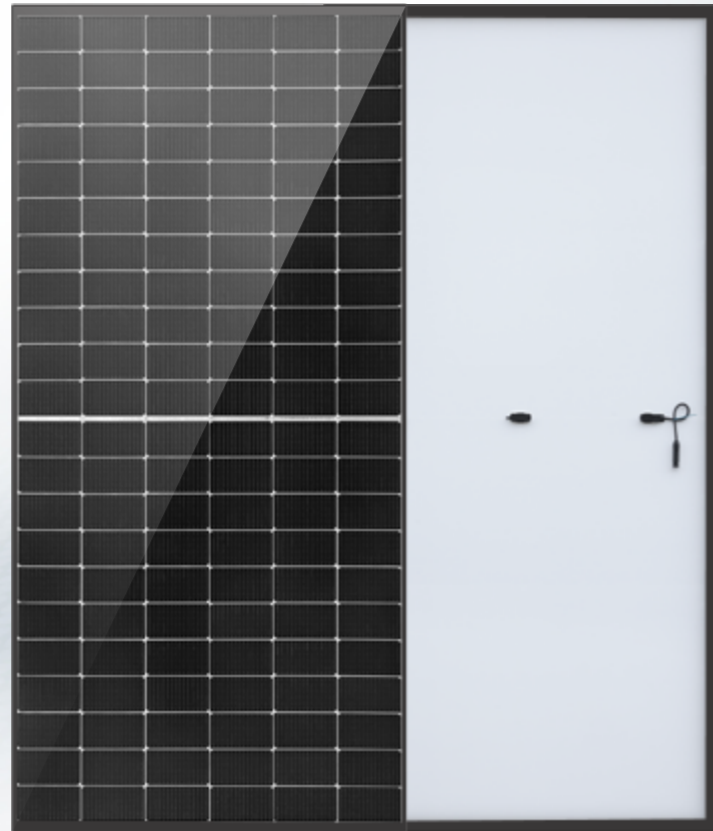
Maximum Power Output

0~+5W

Positive Power Tolerance

23.32%

Maximum Efficiency



66-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module Type: ERA-RC-66HC(CF)	610M	615M	620M	625M	630M
Maximum Power(Wp)	610W	615W	620W	625W	630W
Open Circuit Voltage(Voc)	48.10V	48.30V	48.50V	48.65V	48.80V
Short Circuit Current(Isc)	16.05A	16.10A	16.15A	16.20A	16.25A
Maximum Power Voltage(Vm)	39.77V	39.96V	40.15V	40.30V	40.47V
Maximum Power Current(Imp)	15.34A	15.39A	15.45A	15.51A	15.57A
Module Efficiency	22.58%	22.77%	22.95%	23.14%	23.32%
Maximum Series Fuse	25A				
Watts Positive Tolerance	0~+5W				
Number Of Diode	3				
Standard Test Conditions	1000W/M ² ,25°C,AM1.5				
Maximum System Voltage	1500V/DC				
Temperature-Coefficient Isc	+0.035%/°C				
Temperature-Coefficient Voc	-0.259%/°C				
Temperature-Coefficient Pmpp	-0.357%/°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-RC-66HC(CF)	610M	615M	620M	625M	630M
Maximum Power(Wp)	464W	468W	472W	476W	480W
Open Circuit Voltage(Voc)	45.70V	45.90V	46.10V	46.30V	46.50V
Short Circuit Current(Isc)	12.84A	12.88A	12.92A	12.96A	13.00A
Maximum Power Voltage(Vm)	37.82V	37.99V	38.19V	38.39V	38.59V
Maximum Power Current(Imp)	12.27A	12.32A	12.36A	12.40A	12.44A

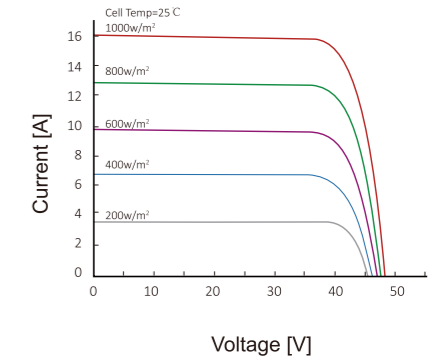
MECHANICAL CHARACTERISTICS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Backsheet (Color)	TPT in white
Cell (Quantity / Material / Dimensions)	132(6x11x2) / monocrystalline silicon
Frame (Material / Color)	composite frame
Junction Box (Protection Degree)	> IP68
Cables & Plug Connectors	4mm ² , 300mm in length,length can be customized
Module Dimensions (L / W / H)	2382(±2)x1134(±2)x30/35mm
Module Weight	27.5kg / 28kg
Application Class	Class A
Electrical Protection Class	Class II
Fire Safety Class	Class C

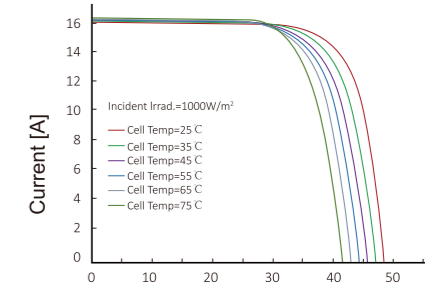
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	36 (30mm)	1210	2386x1120x1260	720
	37 (30mm)	1240	2386x1140x1260	740

CURRENT-VOLTAGE CURVES:

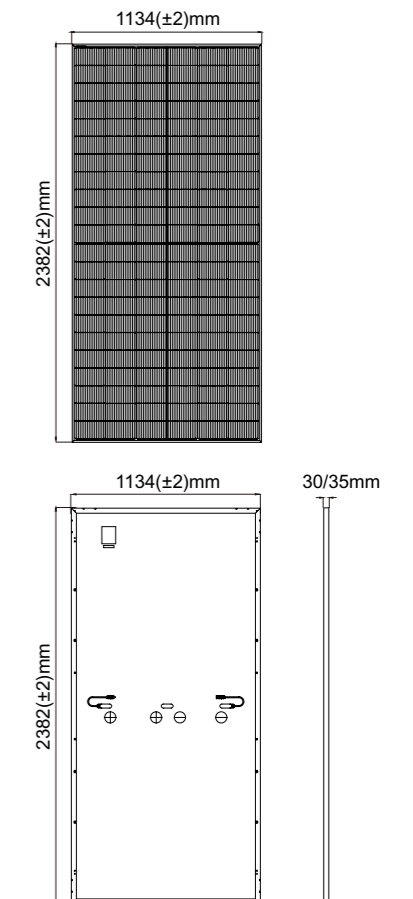


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance

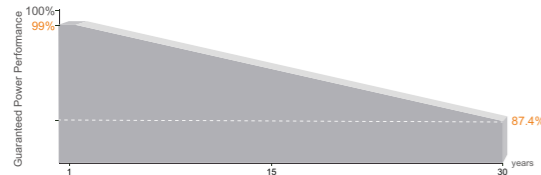


Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:



Linear Performance Warranty
15 Year Product Warranty
30 Year Linear Power Warranty
<1% First year Power Degradation
<0.4% Year 2-30 Power Degradation



MBB Half-Cut Rectangle Solar Cell
 182x105mm, 132cells.

Higher Module Conversion Efficiency
 Higher module output up to 630W with module efficiency up to 23.32%.

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

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

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

