

Silver Series

ERA-RC-66HC

Product Range

610-630W

N-Type Rectangle Monofacial
High Efficiency

630W

Maximum Power Output

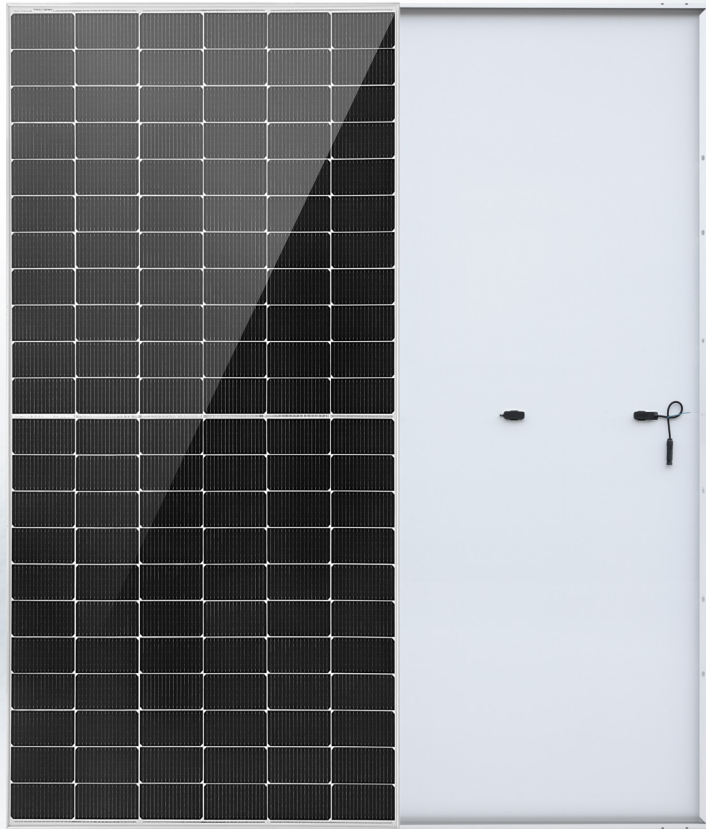
0~+5W

Positive Power Tolerance

23.32%

Maximum Efficiency

ERA
SOLAR



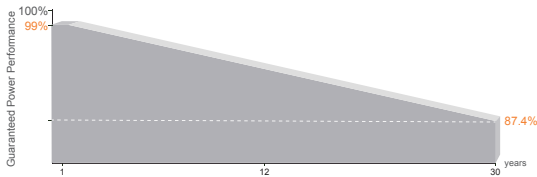
Linear Performance Warranty

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 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.

66-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module Type: ERA-RC-66HC	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/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-RC-66HC	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

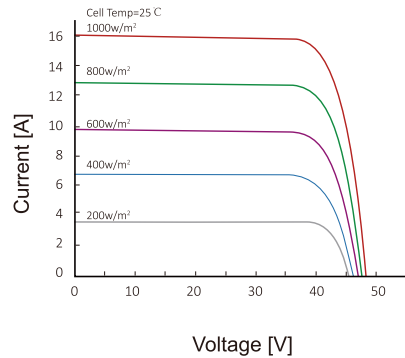
MECHANICAL CHARACTERISTICS

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)	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)	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

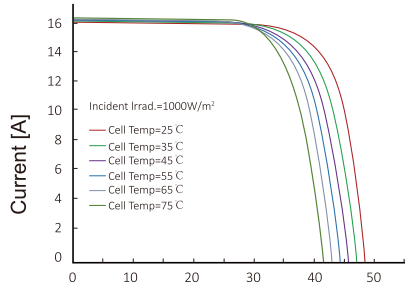
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	36 (30mm)	1060	1140x1120x2540	720
	31 (35mm)	935	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:

