

Silver Series
ERA-RC66HD

Product Range

600-620W

N-Type Rectangle Bifacial
Double Glass

620W

Maximum Power Output

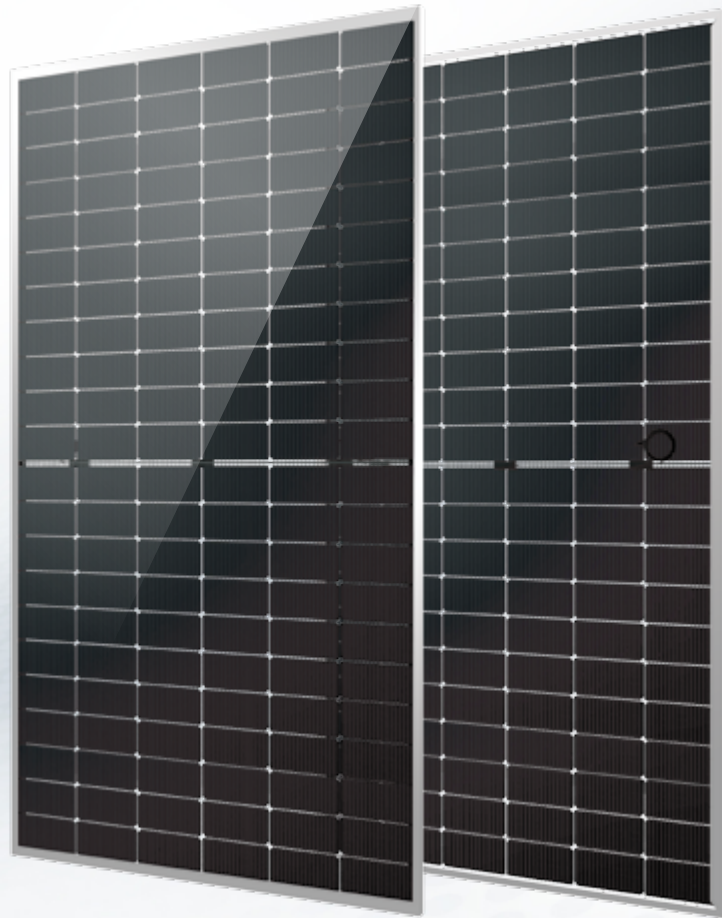
0~+5W

Positive Power Tolerance

23%

Maximum Efficiency

ERA[®]
SOLAR



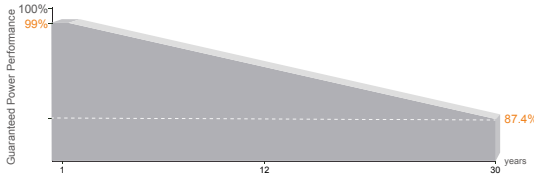
Linear Performance Warranty

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

182x210mm, 132 cells.

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.

Double Glass, 66-CELL HALF-CUT SERIES

ELECTRICAL PARAMETERS AT STC

Module Type: ERA-RC	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(Imp)	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								
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	+0.043%/°C								
Temperature-Coefficient Voc	-0.24%/°C								
Temperature-Coefficient Pmp	-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(Imp)	16.43A		16.49A		16.55A		16.6A		16.65A
Irradiation Ratio (Rear/Front)	10%								

*Bifaciality=Pmax,Rear/Rated Pmax,Front

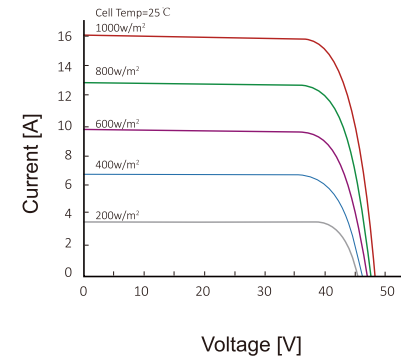
MECHANICAL CHARACTERISTICS

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)	2382(±2)x1134(±2)x30/35mm
Module Weight	32.5kg / 33kg
Application Class	Class A
Electrical Protection Class	Class II
Fire Safety Class	Class A

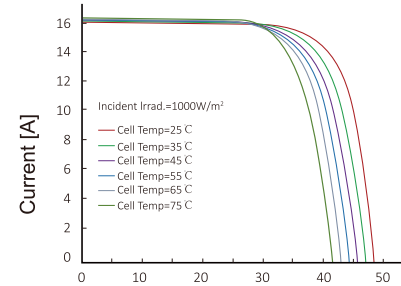
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	36 (30mm)	1210	1140x1120x2540	720
	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:

