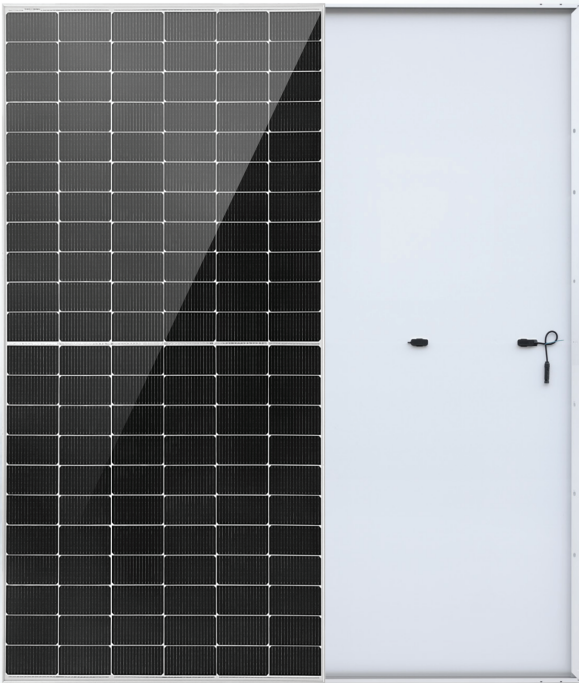




BHI-RC-66HC

Silver Series | N-Type Rectangle Monofacial (High Efficiency)

630W

MAXIMUM POWER OUTPUT

0~+5W

POSITIVE POWER TOLERANCE

23.32%

MAXIMUM EFFICIENCY

610-630W

PRODUCT RANGE



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



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



LINEAR PERFORMANCE WARRANTY

15 Year

Product Warranty

30 Year

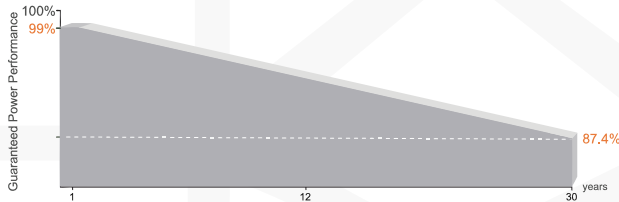
Linear Power Warranty

<1%

First Year Power Degradation

<0.4 %

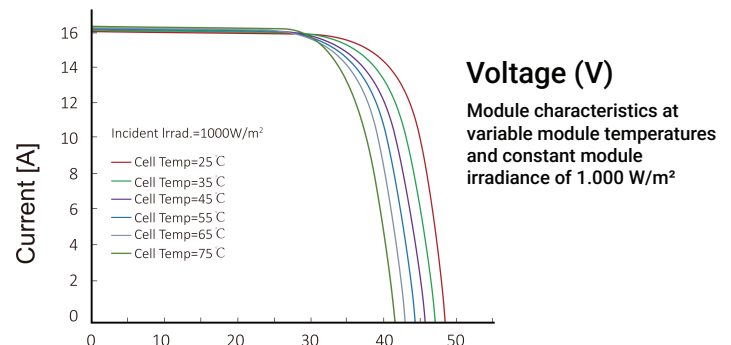
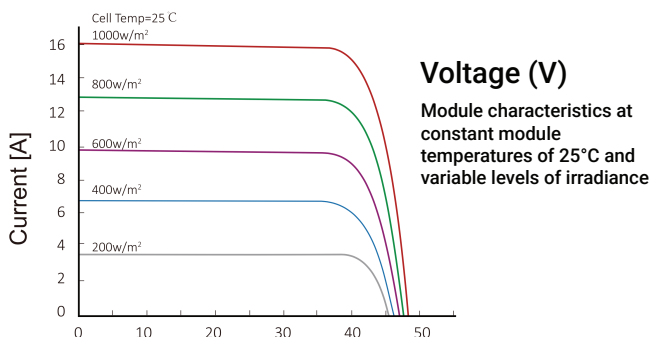
Year 2-30 Power Degradation



HIGHER POWER OUTPUT

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

CURRENT-VOLTAGE CURVES:



66-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module Type: BHI-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: BHI-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	1140x1120x2540mm	720
	31 (35mm)	935	1140x1120x2540mm	620

MODULE DIAGRAM

