



# ERA-RC-66HC

N-Type Mono-crystalline

## KEY FEATURES

- MBB Half-Cut Solar Cell:**  
132 cells (6x11x2).
- 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.
- Light-weight design**  
Light-weight design using transparent backsheet for easy installation and low BOS cost.
- Higher Power Output**  
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

**+** WATTS POSITIVE TOLERANCE

**15** YEARS PRODUCT WARRANTY

**30** YEARS LINEAR POWER WARRANTY

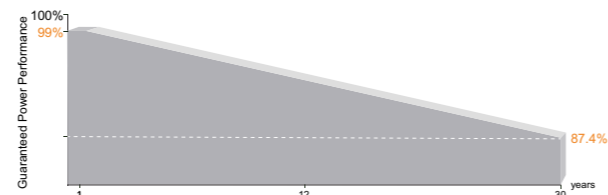
## WARRANTY FOR TOPCON

LINEAR PERFORMANCE WARRANTY

**15** Year Product Warranty

**30** Year Linear Power Warranty

**0.40%** Annual Degradation Over 30 years



## 182mm , 66-CELL HALF-CUT SERIES

### ELECTRICAL PERFORMANCE

Module type: ERA-RC-66HC	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 <sup>2</sup> , 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	600M	605M	610M	615M	620M
Maximum Power(Wp)	453.60W	457.38W	461.16W	464.94W	468.72W
Open circuit Voltage(Voc)	44.84V	45.03V	45.21V	45.40V	45.58V
Short circuit Current(Isc)	12.68A	12.72A	12.76A	12.80A	12.84A
Maximum Power Voltage(Vm)	37.27V	37.42V	37.58V	37.76V	37.94V
Maximum Power Current(Im)	12.17A	12.22A	12.27A	12.31A	12.36A

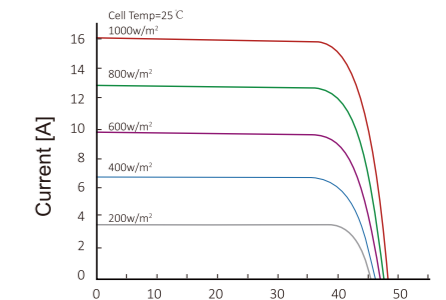
### MECHANICAL CHARACTERISTICS

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	4mm <sup>2</sup> , 300mm in length,length can be customized
Module Dimensions (L / W / H)	2384x1134x30/35mm
Module Weight	33kg / 33.2kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

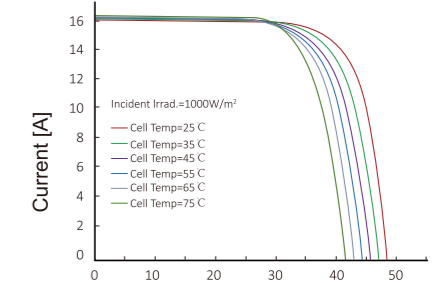
### PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	36 (30mm)	1213	1140x1120x2540	720
	31 (35mm)	1054	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/m<sup>2</sup>

### MODULE DIAGRAM:

