



Eagle-66HC

Monocrystalline Half-Cut Solar Module

KEY FEATURES

MBB Half-Cut Solar Cell:
132 cells (6X22); 12 busbar solar cell.

Higher Module Conversion Efficiency:
Higher module output up to 670W with module efficiency up to 21.56%.

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

Higher Power Output
The innovative design of low-voltage and higher string power output improves system efficiency, reducing BOS costs and LCOE.

210



210mm SERIES, 66-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE (STC)

Module type: Eagle-66hc	650M	655M	660M	665M	670M
Maximum Power(Wp)	650W	655W	660W	665W	670W
Open circuit Voltage(Voc)	45.35V	45.50V	45.65V	45.80V	45.95V
Short circuit Current(Isc)	18.37A	18.43A	18.50A	18.55A	18.62A
Maximum Power Voltage(Vm)	37.55V	37.70V	37.85V	38.00V	38.15V
Maximum Power Current(Im)	17.32A	17.38A	17.45A	17.50A	17.57A
Module efficiency	20.92%	21.08%	21.24%	21.40%	21.56%
Maximum Series Fuse	30A				
Watts positive tolerance	0~+3%				
Number of Diode	3				
Standard Test Conditions	1000W/M ² , 25°C, AM1.5				
Maximum System Voltage	1500V/DC				
Temperature-Coefficient Isc	+0.04%/°C				
Temperature-Coefficient Voc	-0.25%/°C				
Temperature-Coefficient Pmpp	-0.34%/°C				
Normal Operating Cell Temperature	-40°C...+85°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: Eagle-66hc	650M	655M	660M	665M	670M
Maximum Power(Wp)	491W	495W	499W	503W	507W
Open circuit Voltage(Voc)	42.40V	45.50V	42.70V	42.85V	43.00V
Short circuit Current(Isc)	14.60A	14.65A	14.70A	14.75A	14.80A
Maximum Power Voltage(Vm)	35.45V	35.60V	35.75V	35.90V	36.05V
Maximum Power Current(Im)	13.85A	13.91A	13.97A	14.03A	14.09A

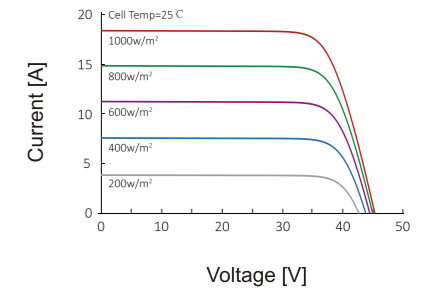
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	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 ² , 300mm in length, length can be customized
Module Dimensions (L / W / H)	2384×1303×35mm
Module Weight	33.9kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

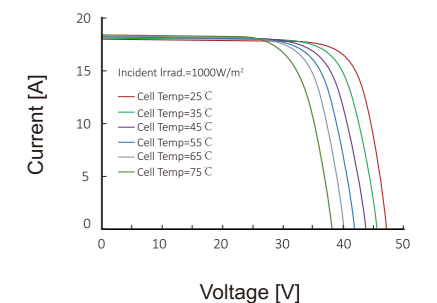
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31	1105	1320x1120x2515	527

CURRENT-VOLTAGE CURVES:

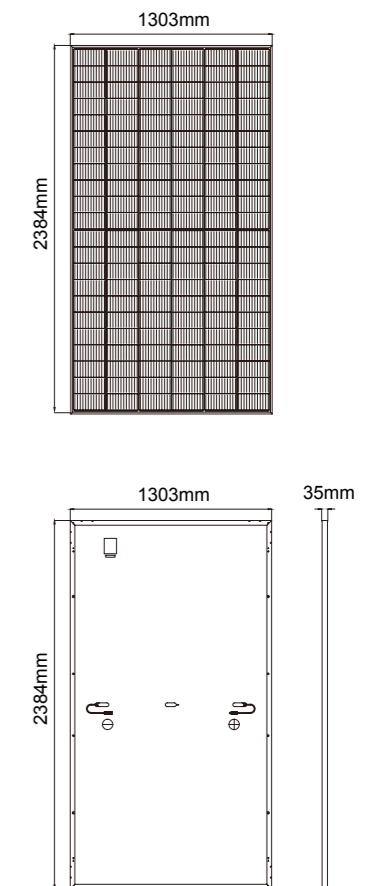


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



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

MODULE DIAGRAM:



+ WATTS POSITIVE TOLERANCE

12 YEARS PRODUCT WARRANTY

25 YEARS LINEAR POWER WARRANTY

