

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



WATTS POSITIVE TOLERANCE



12 YEARS PRODUCT WARRANTY



25 YEARS LINEAR POWER WARRANTY



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(Imp)	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(Imp)	13.85A		13.91A		13.97A		14.03A		14.09A

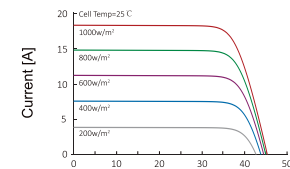
MECHANICAL CHARACTERISTICS

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)	2384x1303x35mm
Module Weight	33.9kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

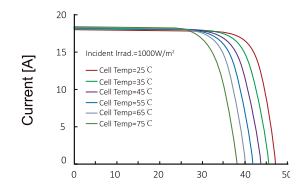
PACKING

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:

