



ESPHSC

Monocrystalline Half-Cut Solar Module

KEY FEATURES

MBB Half-Cut Solar Cell:
120 cells (6X20); 9 busbar solar cell.

Higher Module Conversion Efficiency:
Higher module output up to 380W with module efficiency up to 20.85%.

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.

166



+ WATTS POSITIVE TOLERANCE

12 YEARS PRODUCT WARRANTY

25 YEARS LINEAR POWER WARRANTY

MONOCRYSTALLINE, 60-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type: ESPHSC	355M / 360M / 365M / 370M / 375M / 380M
Maximum Power(Wp)	355W 360W 365W 370W 375W 380W
Open circuit Voltage(Voc)	40.30V 40.50V 40.70V 40.90V 41.10V 41.30V
Short circuit Current(Isc)	11.25A 11.35A 11.43A 11.52A 11.60A 11.69A
Maximum Power Voltage(Vm)	33.80V 34.00V 34.20V 34.40V 34.60V 34.80V
Maximum Power Current(Imp)	10.51A 10.59A 10.68A 10.75A 10.84A 10.92A
Module efficiency	19.48% 19.76% 20.03% 20.31% 20.58% 20.85%
Maximum Series Fuse	20A
Watts positive tolerance	0~+5%
Number of Diode	3
Standard Test Conditions	1000W/M ² ,25°C,AM1.5
Maximum System Voltage	1000/1500V/DC
Temperature-Coefficient Isc	+0.049%/°C
Temperature-Coefficient Voc	-0.271%/°C
Temperature-Coefficient Pmpp	-0.352%/°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)
Product Certificate	TUV(IEC 61215,IEC 61730),CE, ROHS,PID Resistant,INMETRO
Company Certificate	ISO9001,ISO14001,ISO18001

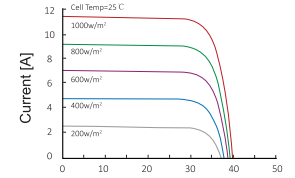
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in white
Cell (quantity / material / dimensions)	120(6x20) / 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)	1755x1038x35mm
Module Weight	20kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

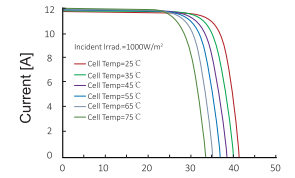
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
20GP	58(31+27)	1190	1800x1130x2205	348
	31	635	1800x1130x1170	858
40HQ	35	715	1800x1130x1330	

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:

