



ESPMC(PERC 60C)

Polycrystalline PERC Solar Module

KEY FEATURES

158.75



5 Busbar Perc Solar Cell:
5 busbar solar cell adopts new technology to improve the efficiency of modules , offers a better aesthetic appearance, making it perfect for rooftop installation.

Higher Module Conversion Efficiency:
Polycrystalline 60-cell module achieves a power output up to 305Wp.

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

+ WATTS POSITIVE TOLERANCE

12 YEARS PRODUCT WARRANTY

25 YEARS LINEAR POWER WARRANTY



POLYCRYSTALLINE, 60-CELL SERIES

ELECTRICAL PERFORMANCE

Module type: ESPMC	285M / 290M / 295M / 300M / 305M
Maximum Power(Wp)	285W 290W 295W 300W 305W
Open circuit Voltage(Voc)	38.40V 38.60V 38.80V 39.00V 39.20V
Short circuit Current(Isc)	9.45A 9.55A 9.65A 9.75A 9.85A
Maximum Power Voltage(Vm)	32.20V 32.40V 32.60V 32.80V 33.00V
Maximum Power Current(Imp)	8.86A 8.96A 9.06A 9.15A 9.25A
Module efficiency	17% 17.3% 17.6% 17.9% 18.2%
Maximum Series Fuse	15A
Watts positive tolerance	0~+3%
Number of Diode	3
Standard Test Conditions	1000W/M ² ,25°C,AM1.5
Maximum System Voltage	1000V/DC
Temperature-Coefficient Isc	+0.8558%/°C
Temperature-Coefficient Voc	-0.29506%/°C
Temperature-Coefficient Pmpp	-0.38001%/°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)	60 / monocrystalline silicon / 158.75x158.75mm
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	2x900mm / 4mm ² & MC4 compatible
Module Dimensions (L / W / H)	1665x1002x35mm
Module Weight	19kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

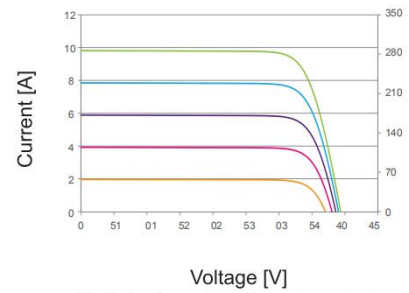
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
20GP	31	605	1700x1130x1120	372
40HQ	31	605	1710x1130x1135	966
	38	737	1710x1130x1400	

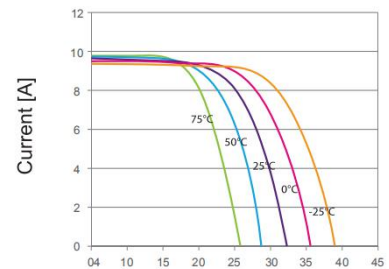


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CURRENT-VOLTAGE CURVES:



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:

