

POLYCRYSTALLINE, 72-CELL SERIES

ELECTRICAL PERFORMANCE

Module type: ESPMC	320	/	325	/	330	/	335	/	340
Maximum Power(Wp)	320W		325W		330W		335W		340W
Open circuit Voltage(Voc)	45.45V		45.6V		45.75V		46.1V		46.4V
Short circuit Current(Isc)	9.1A		9.2A		9.3A		9.38A		9.45A
Maximum Power Voltage(Vm)	37.65V		37.8V		37.95V		38.2V		38.5V
Maximum Power Current(Imp)	8.5A		8.6A		8.7A		8.77A		8.84A
Module efficiency	16.5%		16.8%		17%		17.2%		17.5%
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	1000VDC								
Temperature Coefficient Isc	+0.0858%/°C								
Temperature Coefficient Voc	-0.29506%/°C								
Temperature Coefficient Pmp	-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)	72 / Polycrystalline silicon / 156.75x156.75mm
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	2x800mm / 4mm ² & MC4 compatible
Module Dimensions (L / W / H)	1956x992x40mm
Module Weight	20.9kg
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)
20GP	26	570	2000x130x1120	260
40HQ	31	678	2000x130x1120	627



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ESPMC

Polycrystalline Solar Module

KEY FEATURES



5 Busbar 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.



High Power Output:

Polycrystalline 72-cell module achieves a power output up to 340Wp.



Low-light Performance:

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



Reliable Warranty:

10 years' product warranty.

Power warranty of 90% up to 10 years and 80% up to 25 years.



WATTS
POSITIVE
TOLERANCE

10 YEARS
PRODUCT
WARRANTY

10 YEARS
PERFORMANCE
GUARANTEE 90%

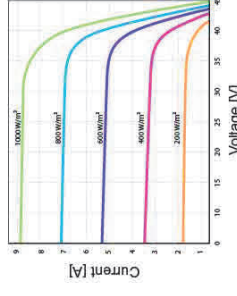
25 YEARS
PERFORMANCE
GUARANTEE 80%



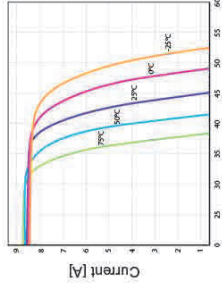
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ERA SOLAR
WORLDWIDE

CURRENT-VOLTAGE CURVES:



Module characteristics at constant module temperatures (25°C) and different levels of irradiance.



Module characteristics at different module temperatures and constant module irradiance (1,000 W/m²).

MODULE DIAGRAM:

