



MONOCRYSTALLINE
SILICON HALF-CELL MODULE

H-445M~465M-120FB

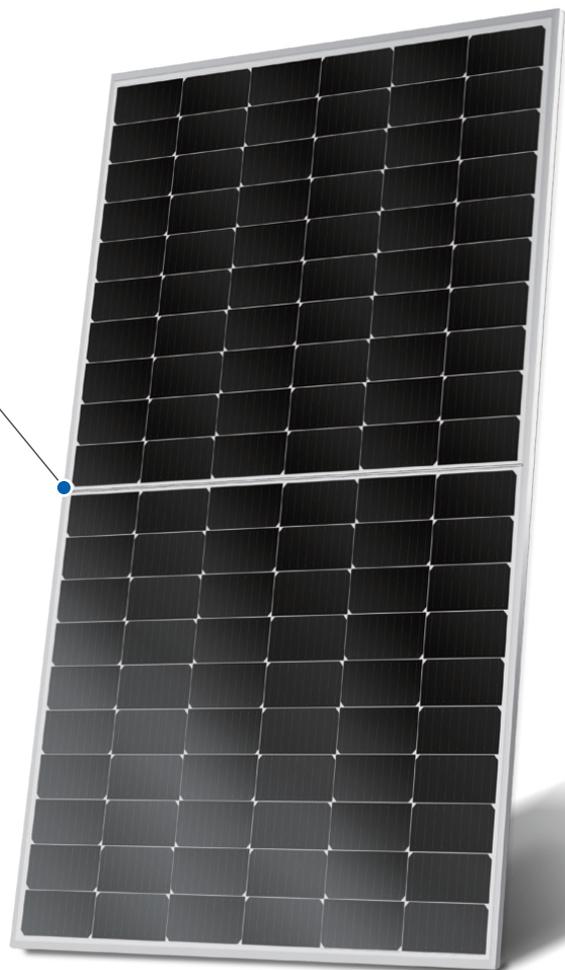
- ☀️ Suitable for residential and commercial rooftop
- ☀️ Advanced module technology delivers superior module efficiency
- ☀️ Validated good energy yield
- ☀️ High module quality ensures long-term reliability



15-year Warranty for materials and Processing



30-year Warranty for Linear Power Output



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WORKING PARAMETERS	-40~+85	DC1500 (IEC)	25	Class II
	Operating Temperature(°C)	Max. System Voltage(V)	Maximum Series Fuse Rating (A)	Application Class

ELECTRICAL PARAMETERS | STC* | STC:Irradiance 1000W/m, Module Temperature 25°C,AM1.5

Module Model	H-445M-120FB	H-450M-120FB	H-455M-120FB	H-460M-120FB	H-465M-120FB
Rated Max. Power(Pmax/W)	445	450	455	460	465
Power Tolerance	0~+5Wp				
Max. Power Voltage(Vmp/V)	34.91	35.13	35.36	35.58	35.80
Max. Power Current(Imp/A)	12.75	12.81	12.87	12.93	12.99
Open Circuit Voltage(Voc/V)	41.71	41.93	42.16	42.38	42.60
Short Circuit Current(Isc/A)	13.48	13.54	13.60	13.66	13.72
Module Efficiency(%)	20.57%	20.80%	21.03%	21.26%	21.49%

TEMPERATURE CHARACTERISTIC

Temperature Coefficient of Pmax	-0.365%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.038%/°C
Nominal Module Operation Temperature	42±3°C

PACKAGING

Container	40' HQ
Pieces per Pallet	31pcs/pallet
Pallets per Container	24
Pieces per Container	744
Gross Weight per Pallet	815Kg

MECHANICAL PARAMETERS

Cell Type	P Type Monocrystalline 182
Cell Orientation	120pcs (6*20)
Module Structure	Glass/Encapsulate/Backsheet
Module Dimensions	1908mm*1134mm*35mm
Weight	24.5kg
Frame	Silver/black
J-BOX	IP67/IP68
Cables	4.0mm²,350mm/350mm or Customized Length
Connector	MC4 Compatible
Max. Wind Load/Max. Snow Load	2400Pa/5400Pa

SIZE | (單位: mm) Module Dimensions

