



# EMS-120MH

## POWER RANGE

**330W~340W**

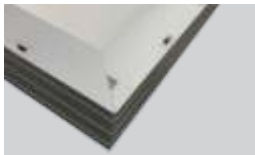
## CELL SIZE

**158.75\*79.375mm**



### JUNCTION BOX

Waterproof protection grade:IP67/IP68  
Safety Level: Class II  
Maximum System Voltage: 1500V/1000V  
outstanding waterproof level ·  
Effectively resist harsh environments



### Frame

Strong machinical load  
resistance up to 5400Pa  
Anodic oxidation layer resistant to  
chemical corrosion available  
in silver and black



5BB



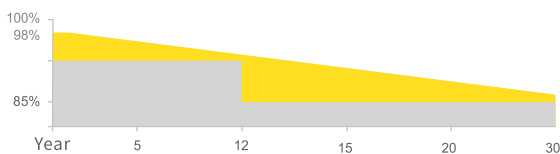
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## QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

## WARRANTY



**12**  
YEARS

Guarantee on product material and workmanship

**30**  
YEARS

Linear Power output warranty



### Half-cut Technology

New circuit design, lower internal current and lower internal resistance loss



### Significantly avoiding heat spot

The unique circuit design to reduce the temperature of heat spot significantly, so that to reduce the power loss and then increase the output of modules.



### Lower cost

Increasing power generation can reduce the cost per kilowatt-hour



### Excellent performance of PID resistance

The performance of PID resistance (Potential Induced Degradation) passed the standard of TUV Nord.

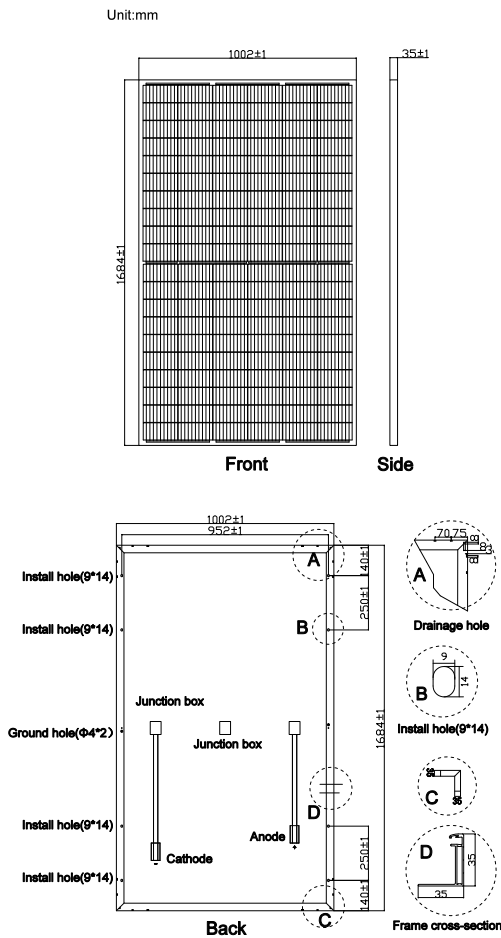


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# EMS-120MH



## PV DRAWINGS



## ELECTRICAL DATA (STC)

Model Type	EMS-330W30MH	EMS-335W30MH	EMS-340W30MH
Peak Power(Pmax)	330.00	335.00	340.00
Maximum Power Voltage(Vmp)	34.20	34.60	35.00
Maximum Power Current(Imp)	9.66	9.69	9.72
Open Circuit Voltage(Voc)	40.50 ± 3%	40.70 ± 3%	40.90 ± 3%
Short Circuit Current(Isc)	10.26 ± 3%	10.29 ± 3%	10.32 ± 3%
Module Efficiency( % )	19.55	19.85	20.14

\* STC: irradiance 1000 W/m<sup>2</sup>, AM 1.5, and cell temperature of 25°C

## ELECTRICAL DATA (NOCT)

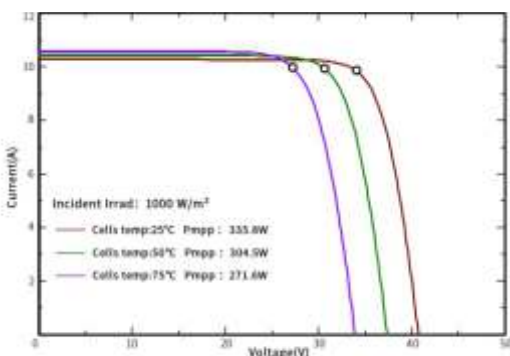
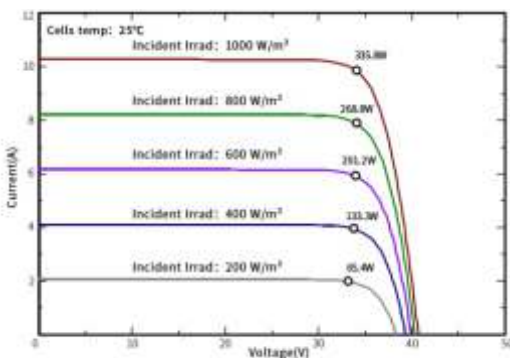
Model Type	EMS-330W30MH	EMS-335W30MH	EMS-340W30MH
Peak Power(Pmax)	245.60	248.80	252.10
Maximum Power Voltage(Vmp)	31.50	31.80	32.10
Maximum Power Current(Imp)	7.80	7.83	7.86
Open Circuit Voltage(Voc)	37.70 ± 3%	37.80 ± 3%	38.00 ± 3%
Short Circuit Current(Isc)	8.28 ± 3%	8.31 ± 3%	8.33 ± 3%

\* NOCT: irradiance 800 W/m<sup>2</sup>, AM 1.5, ambient temperature 20°C, wind speed 1 m/s

## TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500/1000 V
Maximum Series Fuse Rating (A)	20 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.360 %/°C
Voc Temperature Coefficients (V/°C)	-0.260 %/°C
Isc Temperature Coefficients (A/°C)	+0.043 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45 ± 2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

## IV CURVE (335W)



## MECHANICAL CHARACTERISTICS

Cell Type	158.75*79.375 Mono
No. of Cells	120 (12*10)
Dimensions	1684*1002*35mm
Weight	18.80kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm <sup>2</sup> cable 35cm (including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

## PACKING WAY

20FT container	12 Packages/372pcs
40HQ container	26 Packages/884pcs

