



EMS-120MHD

POWER RANGE

360W~380W

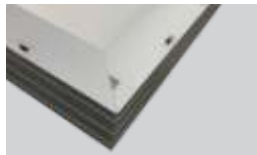
CELL SIZE

166*83mm



JUNCTION BOX

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



Frame

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



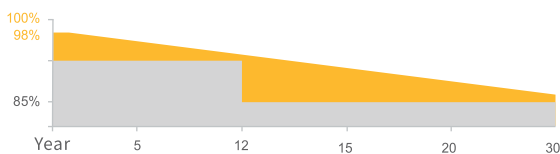
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QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY



12 YEARS Guarantee on product material and workmanship

30 YEARS Linear Power output warranty



Higher power

Double-sided power generation can significantly improve the equivalent power generation of solar panels.
Higher power of solar panels can effectively reduce system BOS cost.



Higher reliability

Suitable for areas with higher temperature and higher humidity, resistant to salt spray ammonia gas with firing rating in A.
Anti-PID performance improvement through battery process optimization and material control.



Higher generated energy

Excellent IAM and low light performance.
More power generation by lower temperature coefficient and lower operating temperature.



Easy installation

The conventional frame design makes the double-glass solar panels suitable for various mounting modes.
Easy to hold, transport and install.



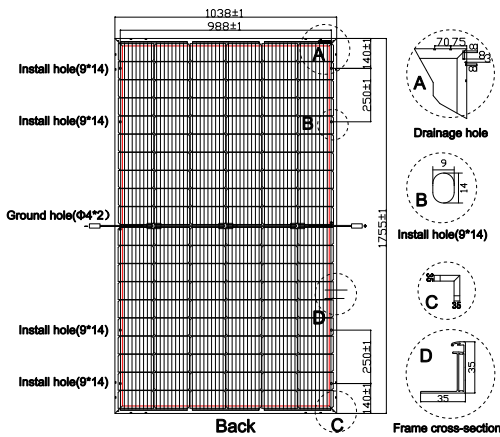
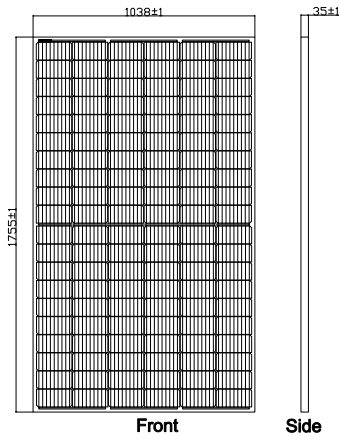
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EMS-120MHD



PV DRAWINGS

Unit:mm



ELECTRICAL DATA (STC)

Model Type	EAG360-30V-MHD	EAG365-30V-MHD	EAG370-30V-MHD	EAG375-30V-MHD	EAG380-30V-MHD
Peak Power(Pmax)	360.00	365.00	370.00	375.00	380.00
Maximum Power Voltage(Vmp)	33.90	34.10	34.30	34.50	34.70
Maximum Power Current(Imp)	10.61	10.70	10.78	10.86	10.94
Open Circuit Voltage(Voc)	40.80±3%	41.10±3%	41.20±3%	41.40±3%	41.60±3%
Short Circuit Current(Isc)	11.37±3%	11.45±3%	11.54±3%	11.62±3%	11.71±3%
Module Efficiency(%)	19.76	20.03	20.31	20.58	20.85

* STC: irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

Model Type	EAG360-30V-MHD	EAG365-30V-MHD	EAG370-30V-MHD	EAG375-30V-MHD	EAG380-30V-MHD
Peak Power(Pmax)	268.80	272.60	276.30	280.00	283.80
Maximum Power Voltage(Vmp)	31.60	31.80	32.00	32.20	32.40
Maximum Power Current(Imp)	8.50	8.57	8.64	8.70	8.77
Open Circuit Voltage(Voc)	38.20±3%	38.40±3%	38.50±3%	38.70±3%	38.90±3%
Short Circuit Current(Isc)	9.18±3%	9.26±3%	9.33±3%	9.39±3%	9.46±3%

* NOCT: irradiance 800 W/m², AM 1.5, ambient temperature 20°C, wind speed 1 m/s

PARAMETER OF DOUBLE-SIDED POWER GENERATION (365W)

Pmax gain	Pmax/W	Vmpp/V	Imp/A	Voc/V	Isc/A
5%	383.00	34.10	11.23	41.10±3%	11.97±3%
15%	420.00	34.20	12.28	41.20±3%	13.09±3%
25%	456.00	34.20	13.33	41.20±3%	14.21±3%

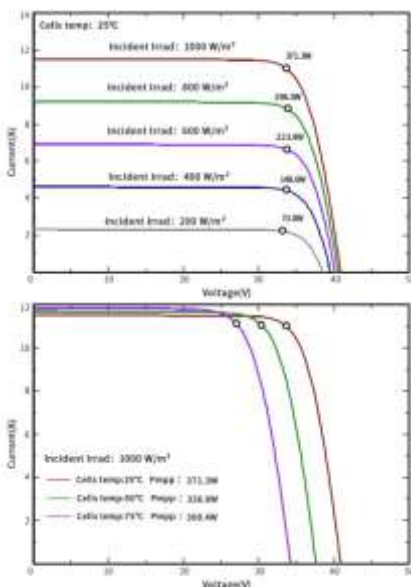
TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	25 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.350 %/°C
Voc Temperature Coefficients (V/°C)	-0.284 %/°C
Isc Temperature Coefficients (A/°C)	+0.050 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

PACKING WAY

20FT container	6 Packages/186pcs
40HQ container	26 Packages/858pcs

IV CURVE (370W)



MECHANICAL CHARACTERISTICS

Cell Type	166*83 Mono
No. of Cells	120 (12*10)
Dimensions	1755*1038*35mm
Weight	23.00kg
Front glass	2.0mm coated high-transparent tempered glass
Back glass	2.0mm high-transparent glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm ² cable 35cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

