

GERMAN BRAND 

15 YEARS PRODUCT WARRANTY

30 YEARS LINEAR POWER WARRANTY

## Black Style SERIES

### ASWS-370-MH120-BB

Half-Cell Monocrystalline Silicon PV Modules



120 120 CELLS

M MONOCRYSTALLINE

9 9 BUS BAR

1755×1038×35mm

FRAME: BLACK  
BACKSHEET: BLACK



#### HOT-SPOT RESISTANCE

Excellent hot-spot immunity effectively avoids the power loss caused by shadow coverage.



#### ANTI-PID CHARACTERISTICS

Guarantee: Half-cell monocrystalline PV-modules from large-scale production pass the PID test.



#### HARSH ENVIRONMENT ADAPTATION

Tested: High salt mist and ammonia resistance.



#### STRINGENT QUALITY CONTROL

100% in-house EL double inspection goes well beyond certification requirements.

# Black Style SERIES

## ASWS-370-MH120-BB

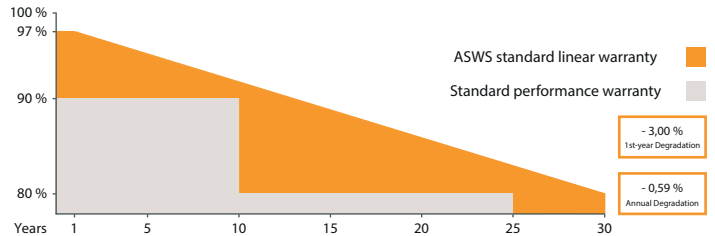
Half-Cell Monocrystalline Silicon PV Modules

### Mechanical Data

Cell Type	166×83mm Mono
Cell Orientation	120(6×20)
Module Dimensions	1755×1038×35mm
Weight	20.0kg
Glass	3.2mm highly transparent, reinforced glass
Backsheet	Anti-aging film (black)
Frame Material	Anodized aluminium alloy (black)
Junction Box	Protection class IP68
Cable	4.0mm <sup>2</sup> positive pole: 1000mm negative pole: 1000mm; wire length can be customized
Maximum Test Load Pull / Push	2400Pa / 5400Pa
Connector	MC4 compatible connector

### Linear Performance Warranty

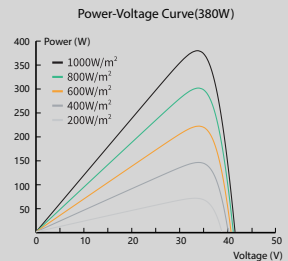
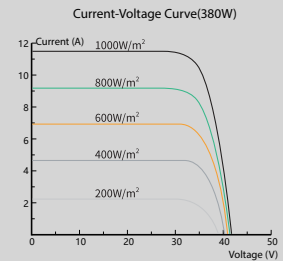
15-year product warranty / 30-year linear power warranty



### Electrical Data (STC)\*

Maximum Power (Pmax/W)	360	365	370	375	380
Voltage at Maximum Power (Vmp/V)	33.52	33.72	33.92	34.12	34.32
Current at Maximum Power (Imp/A)	10.75	10.83	10.92	11.00	11.08
Open Circuit Voltage (Voc/V)	40.60	40.80	41.00	41.20	41.40
Short Circuit Current (Isc/A)	11.30	11.37	11.45	11.54	11.60
Module Efficiency (%)	19.76	20.04	20.31	20.59	20.86
Power Selection (%)	0 ~ +3	0 ~ +3	0 ~ +3	0 ~ +3	0 ~ +3

### I-V Curve



### Electrical Data (NMOT)\*\*

Maximum Power (Pmax/W)	267	271	275	279	283
Voltage at Maximum Power (Vmp/V)	30.74	30.94	31.14	31.34	31.54
Current at Maximum Power (Imp/A)	8.70	8.77	8.84	8.91	8.98
Open Circuit Voltage (Voc/V)	37.29	37.49	37.69	37.89	38.09
Short Circuit Current (Isc/A)	9.36	9.44	9.51	9.59	9.65

\* STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM1.5

\*\* NMOT (Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

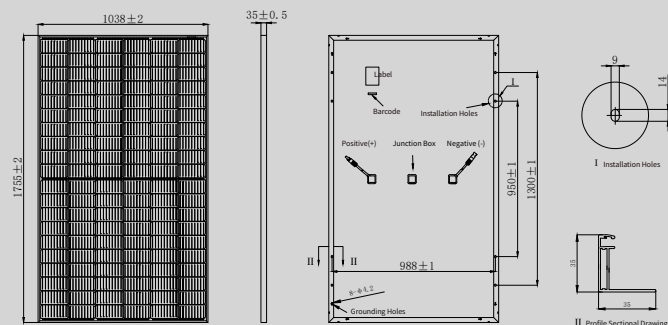
### Temperature Coefficients

Temperature Coefficient (Pm)	-0.350%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C

### Operating Parameters

Maximum System Voltage	1000/1500V
Operating Temperature	-40°C ~+85°C
NMOT (Nominal Module Operating Temperature)	41±3°C

### Module Dimensions (mm)



### Packaging

Modules Per Pallet: 31+31pcs / 31+31+4pcs  
 Modules Per 40'HQ Container: 806pcs / 858pcs

LVD  
EMC



WEEE-Reg.-Nr.  
DE 15553592

IEC 61215 / IEC 61730



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