

GERMAN BRAND 

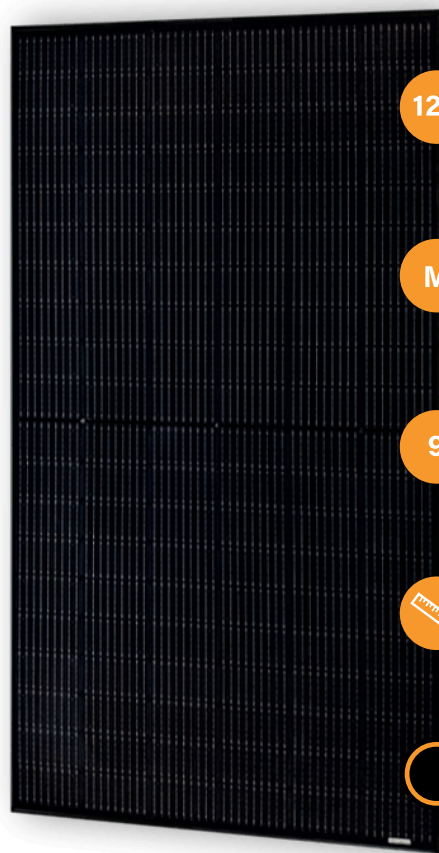
15 YEARS PRODUCT WARRANTY

30 YEARS LINEAR POWER WARRANTY

Black Style SERIES

ASWS-375-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-375-MH120-BB

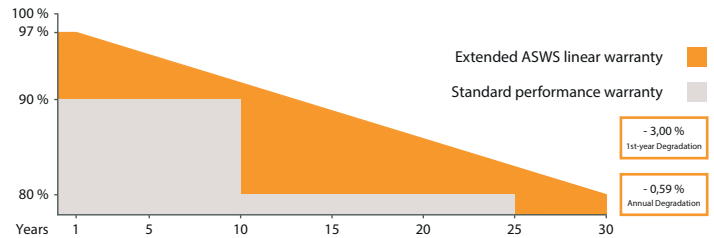
Half-Cell Monocrystalline Silicon PV-Modules

Mechanical Data

Cell Type	166x83mm Mono, PERC
Cell Arrangement	120(6x20)
Module Dimensions	1755x1038x35mm
Weight	19.5kg
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 ² positive pole: 1100mm negative pole: 1100mm; wire length can be customized
Maximum Test Load Pull / Push	2400Pa / 5400Pa
Connector	MC4 compatible connector

Linear Performance Warranty

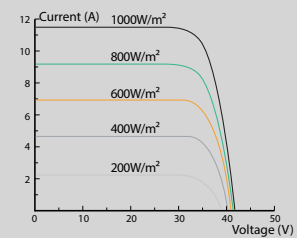
15-year product warranty / 30-year linear power warranty



Electrical Data (STC)*

	360	365	370	375	380
Maximum Power (Pmax/W)	360	365	370	375	380
Voltage at Maximum Power (Vmp/V)	33.90	34.00	34.10	34.20	34.30
Current at Maximum Power (Imp/A)	10.62	10.74	10.85	10.97	11.08
Open Circuit Voltage (Voc/V)	41.20	41.30	41.40	41.50	41.60
Short Circuit Current (Isc/A)	11.18	11.30	11.41	11.53	11.65
Module Efficiency (%)	19.76	20.04	20.31	20.59	20.86
Power Sorting (W)	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5

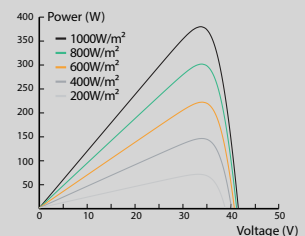
I-V Curves



Electrical Data (NMOT)**

	292.70	296.80	300.70	304.90	308.80
Maximum Power (Pmax/W)	292.70	296.80	300.70	304.90	308.80
Voltage at Maximum Power (Vmp/V)	34.70	34.80	34.90	35.00	35.10
Current at Maximum Power (Imp/A)	8.43	8.53	8.61	8.71	8.80
Open Circuit Voltage (Voc/V)	41.40	41.50	41.60	41.70	41.80
Short Circuit Current (Isc/A)	8.92	9.02	9.11	9.20	9.30

P-V Curves



* STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

** NMOT (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

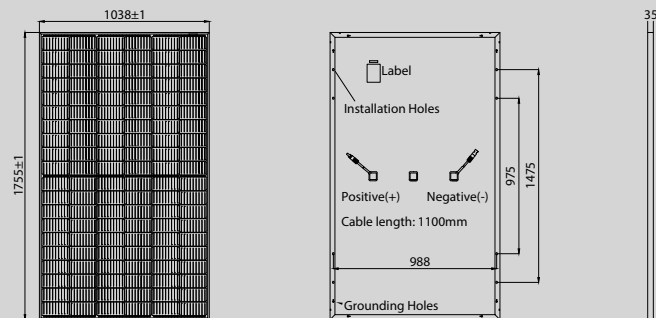
Temperature Coefficients

Temperature Coefficient (Pm)	-0.34%/°C
Temperature Coefficient (Voc)	-0.29%/°C
Temperature Coefficient (Isc)	0.05%/°C

Operating Parameters

Maximum System Voltage	1500V (DC)
Operating Temperature	-40°C ~ +85°C
NMOT (Nominal Module Operating Temperature)	44±2°C

Module Dimensions (mm)



Packaging

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

LVD
EMC

CE

Class II

Class II

WEEE-Reg.-Nr.
DE 15553592

IEC 61215 / IEC 61730

