

GERMAN BRAND 

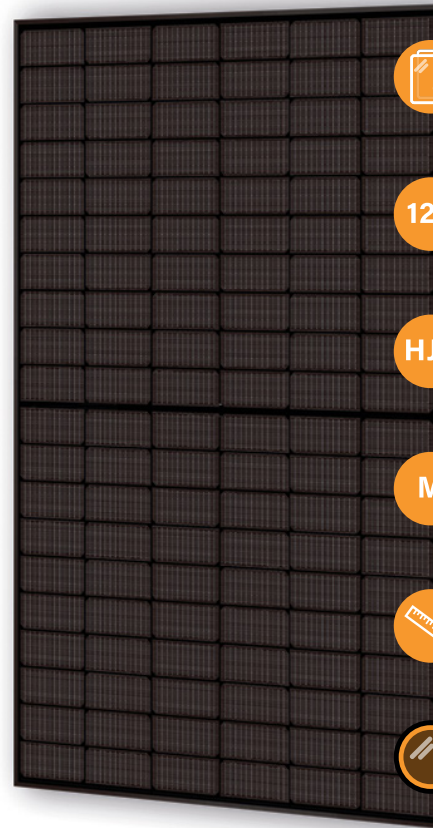
20 YEARS PRODUCT WARRANTY

30 YEARS LINEAR POWER WARRANTY

## Strong Style HJT BLACK MESH

### ASWS-390-MH120N-BMG

Double-Glass Bifacial HJT Half-Cell PV-Modules

 DOUBLE-GLASS  
BLACK MESH 120 120 CELLS HJT HJT-CELLS M MONO N-TYPE 1755×1038×30mm FRAME: BLACK  
BACK: GLASS

#### POSITIVE ENERGY BALANCE

Double-sided power generation shortens the amortization period. A longer lifetime ensures a positive energy balance.



#### HIGH EFFICIENCY

Module power reaches output of 390 Watt / Modules efficiency reaches 21.41 %.



#### STRINGENT QUALITY CONTROL

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



#### WIDE APPLICATION

Suitable for vertical installation, projects on outdoor areas and especially for installation areas with high fire protection requirements.



#### BIFACIALITY

Higher yield due to double-sided power generation. The average bifaciality can reach 80 (0~+3) %.



#### DOUBLE-GLASS

Higher mechanical load capacity thanks to double-glass. In addition, cells are effectively protected from environmental influences.

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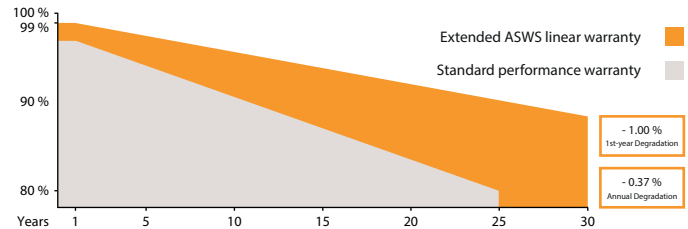
Double-Glass Bifacial HJT Half-Cell PV Modules

## Mechanical Data

Cell Type	HJT, Mono
Cell Arrangement	120 Cells (60x2)
Module Dimensions	1755x1038x30 mm
Weight	23.5 kg
Glass	2.0 mm highly transparent, reinforced glass
Backsheet	2.0 mm highly transparent, reinforced glass, Black Mesh
Frame Material	Anodized aluminium alloy (black)
Junction Box	Protection class IP68
Cable	4.0 mm <sup>2</sup> positive pole: 1200 mm, negative pole: 1200 mm; cable length can be customized
Maximum Test Load Pull / Push	2400 Pa / 5400 Pa
Connector	MC4 compatible connector
No. of Bypass Diodes	3 Bypass Diodes

## Linear Performance Warranty

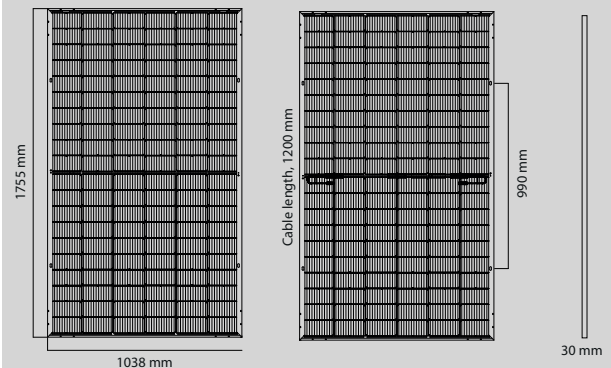
20-year product warranty / 30-year linear power warranty



## Electrical Data (STC)\*

Maximum Power (Pmax/W)	380	385	390
Voltage at Maximum Power (Vmp/V)	37.09	37.15	37.23
Current at Maximum Power (Imp/A)	10.27	10.37	10.49
Open Circuit Voltage (Voc/V)	44.47	44.57	44.67
Short Circuit Current (Isc/A)	10.72	10.82	10.92
Module Efficiency (%)	20.86	21.13	21.41
Power Sorting (W)	0 ~ +5	0 ~ +5	0 ~ +5
Bifaciality (%)	80 (~ +3)	80 (~ +3)	80 (~ +3)

## Module Dimensions (mm)



## Electrical Data (NOCT)\*\*

Maximum Power (Pmax/W)	290	294	298
Voltage at Maximum Power (Vmp/V)	34.98	35.10	35.15
Current at Maximum Power (Imp/A)	8.30	8.38	8.48
Open Circuit Voltage (Voc/V)	41.55	41.64	41.74
Short Circuit Current (Isc/A)	8.52	8.60	8.68

\* STC (Standard Testing Conditions): Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, AM 1.5

\*\* NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s

## Packaging

Modules per Box:	36 pcs
Modules per 40'HQ Container:	936 pcs

## Temperature Coefficients

Temperature Coefficient (Pm)	-0.26 %/°C
Temperature Coefficient (Voc)	-0.24 %/°C
Temperature Coefficient (Isc)	0.04 %/°C

## Operating Parameters

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

LVD  
EMC



IEC 61215 / IEC 61730  
WEEE-Reg.-Nr. DE 15553592



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