

Engineered  
in Germany

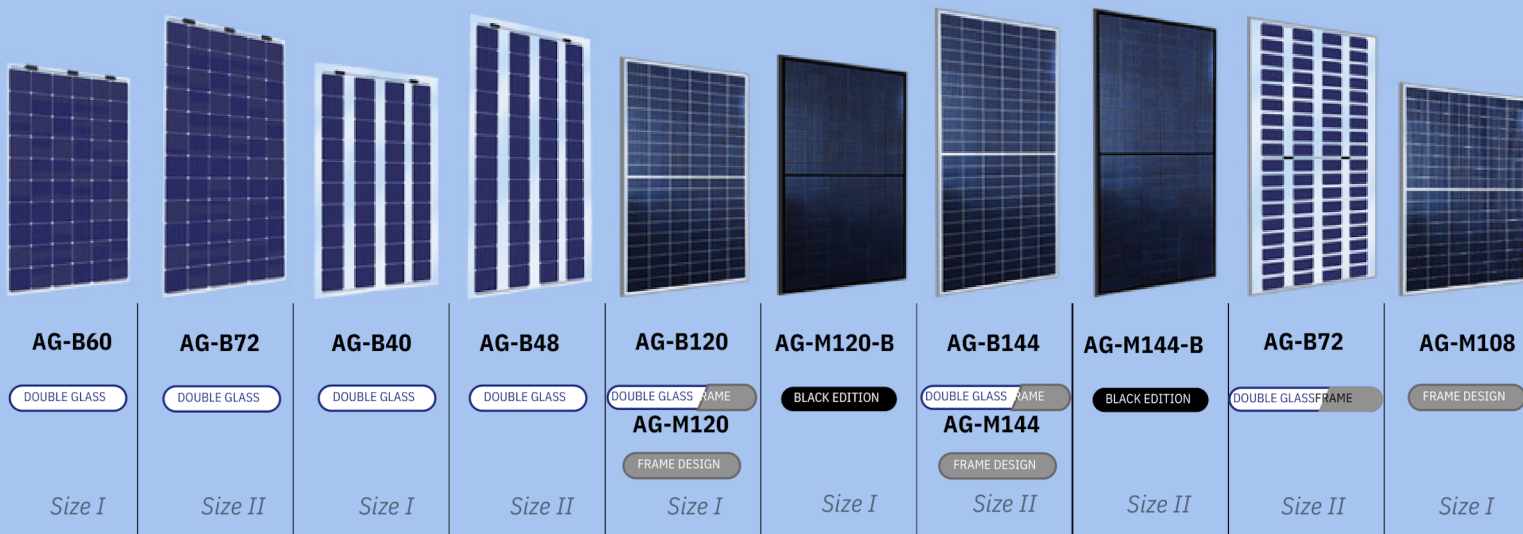


[www.agora-solar.com](http://www.agora-solar.com)

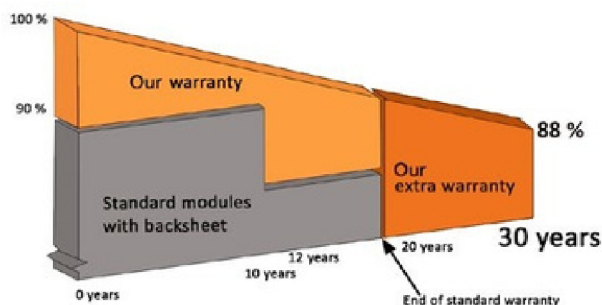
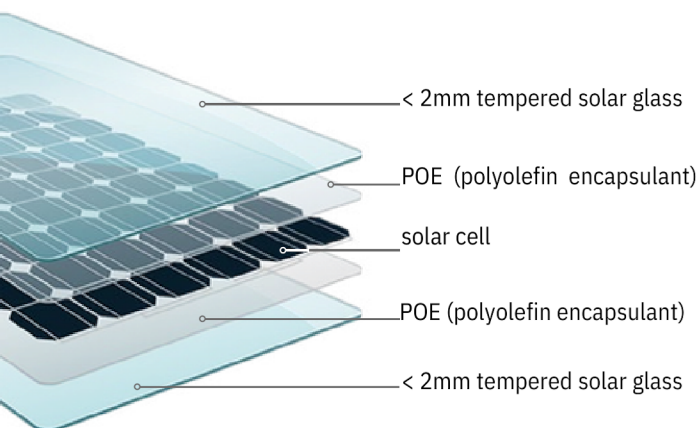


Semi-transparent Double Glass and Premium High Power Modules  
Best for: BIPV • AgriPV • Facades • Roofs • Power Plants

# Double Glass Modules



2mm tempered solar glass with extremely durable anti-reflecting coating



## Outstanding properties of our Modules

- Slim Module Design - Ultrathin - Ultralight
- High transparent double glass design
- Outstanding performance in case of wind/snow load
- Resistant to environmental influences
- Easy Cleaning
- No Micro Cracks
- Fire Resistance
- Predominant low light performance
- Extended Guarantee
- Positive power output tolerance (plussorting)
- PID free

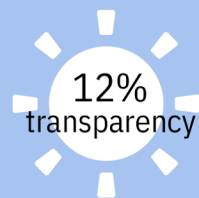




# AG-B60 - 370 Wp

double glass modules with monocrystalline cells

60  
cells



certified double glass modules according  
to EN12600 for overhead mounting

## Electrical Specification (STC)

Maximum Power at (Pmax)	370 Wp
Optimum Operating Voltage (Vmp)	36.9 V
Optimum Operating Current (Imp)	10.03 A
Open Circuit Voltage (Voc)	42.2 V
Short Circuit Current (Isc)	11.25 A
Module Efficiency	20,1 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.35 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	0.04 %/°C

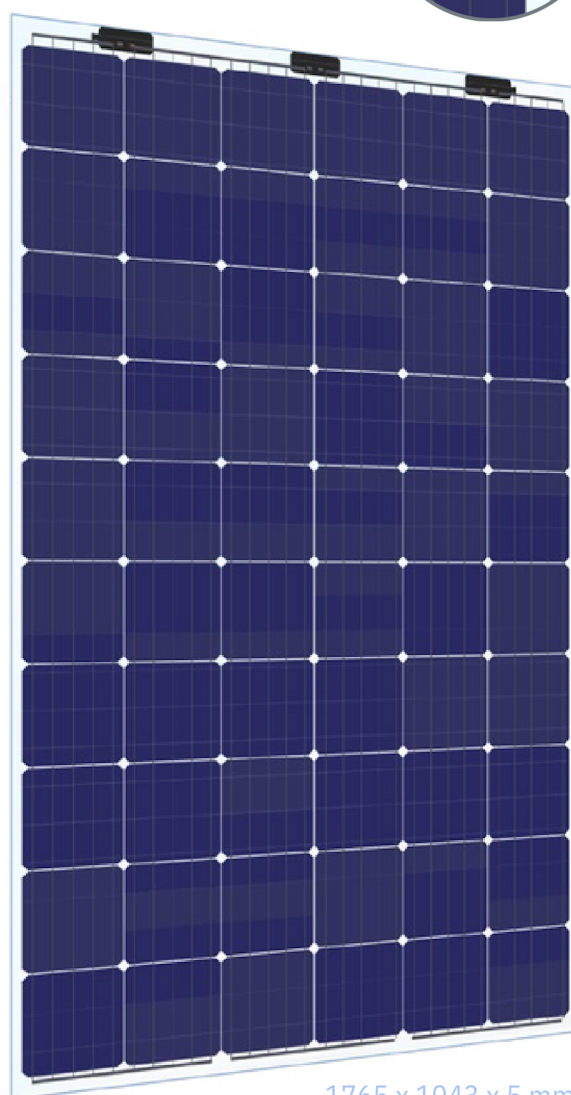
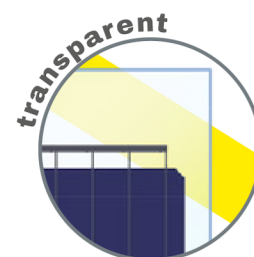
## Mechanical Specification

Solar Cell	Bifacial, 9BB
No. of Cells	60 (6 × 10)
Dimensions Size 1	1765 x 1043 × 5 mm (without J-box)
Weight Size 1	22 kg
Front/Back Glass	2 mm heat strengthened glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (600 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C

## Packing Configuration

### 40' HC Container

Pieces per pallet	33
Pallets per container	26
Pieces per container	858



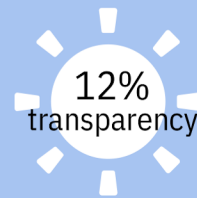
1765 x 1043 x 5 mm  
± 2 mm



# AG-B72 - 450 Wp

double glass modules with monocrystalline cells

72  
cells



certified double glass modules according  
to EN12600 for overhead mounting

## Electrical Specification (STC)

Maximum Power at (Pmax)	450 Wp
Optimum Operating Voltage (Vmp)	44.5 V
Optimum Operating Current (Imp)	10.11 A
Open Circuit Voltage (Voc)	50.8 V
Short Circuit Current (Isc)	11.29 A
Module Efficiency	20.5 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.35 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	0.04 %/°C

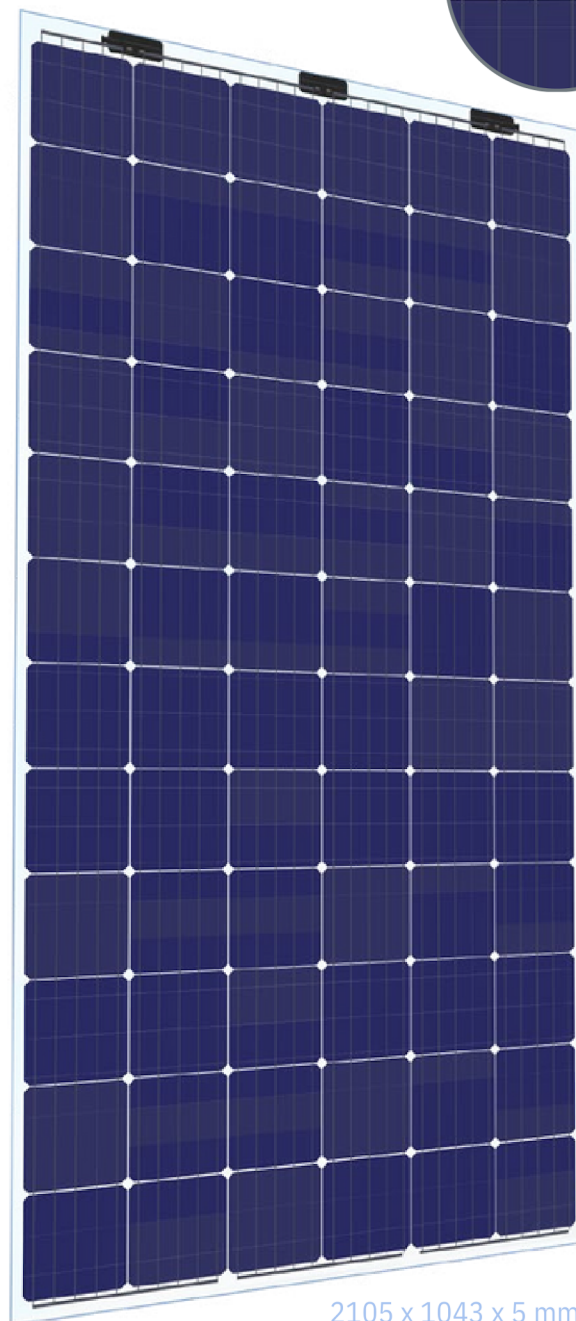
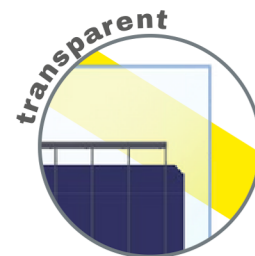
## Mechanical Specification

Solar Cell	Bifacial, 9BB
No. of Cells	72 (6 x 12)
Dimensions Size 2	2105 × 1043 × 5 mm (without J-box)
Weight Size 2	26 kg
Front/Back Glass	2 mm heat strengthened glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (600 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C

## Packing Configuration

### 40' HC Container

Pieces per pallet	33
Pallets per container	22
Pieces per container	726



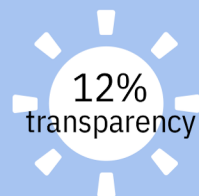
2105 x 1043 x 5 mm  
± 2 mm



# AG-B40 - 245 Wp

double glass modules with monocrystalline cells

40  
cells



certified double glass modules according to EN12600 for overhead mounting

## Electrical Specification (STC)

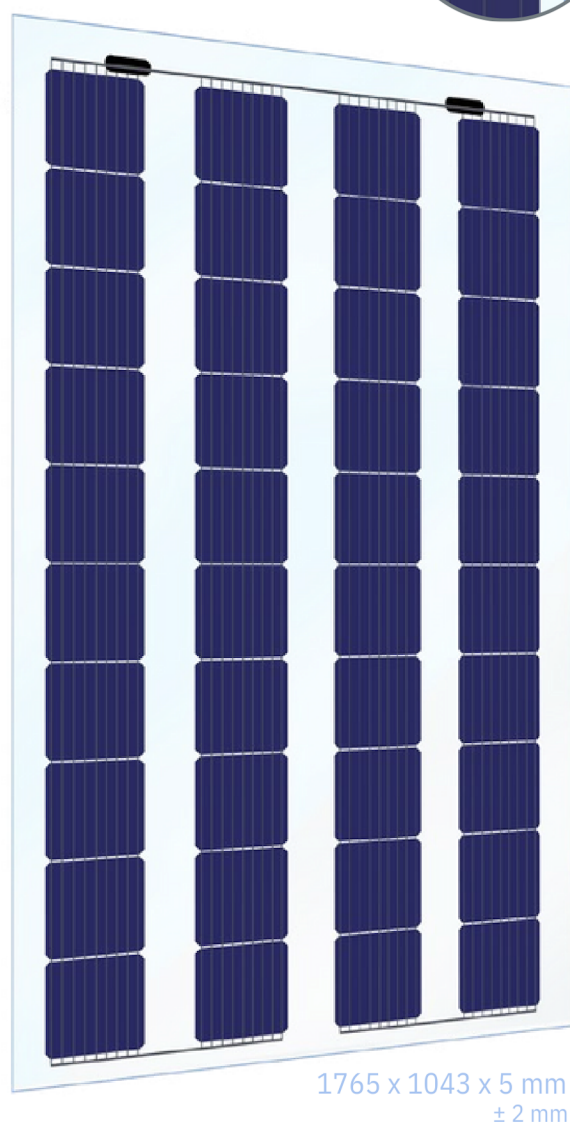
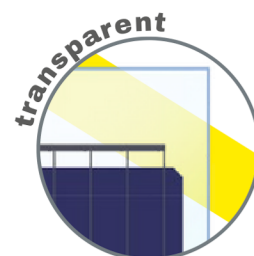
Maximum Power at (Pmax)	245 Wp
Optimum Operating Voltage (Vmp)	24.5 V
Optimum Operating Current (Imp)	10.00 A
Open Circuit Voltage (Voc)	28.2 V
Short Circuit Current (Isc)	11.16 A
Module Efficiency	13.3 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.35 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	0.04 %/°C

## Mechanical Specification

Solar Cell	Bifacial, 9BB
No. of Cells	40 (4 x 10)
Dimensions Size 1	1765 × 1043 × 5 mm (without J-box)
Weight Size 1	22 kg
Front/Back Glass	2 mm heat strengthened glass
Junction Box	IP68 rated (two bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (600 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C



## Packing Configuration

### 40' HC Container

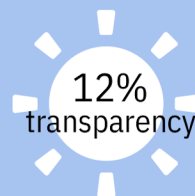
Pieces per pallet	33
Pallets per container	26
Pieces per container	858



# AG-B48 - 300 Wp

double glass modules with monocrystalline cells

48  
cells



certified double glass modules according  
to EN12600 for overhead mounting

## Electrical Specification (STC)

Maximum Power at (Pmax)	300 Wp
Optimum Operating Voltage (Vmp)	29.7 V
Optimum Operating Current (Imp)	10.11 A
Open Circuit Voltage (Voc)	34.2 V
Short Circuit Current (Isc)	11.26 A
Module Efficiency	13.7 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.35 %/°C
Temperature Coefficient of Voc	-0.28 %/°C
Temperature Coefficient of Isc	0.04 %/°C

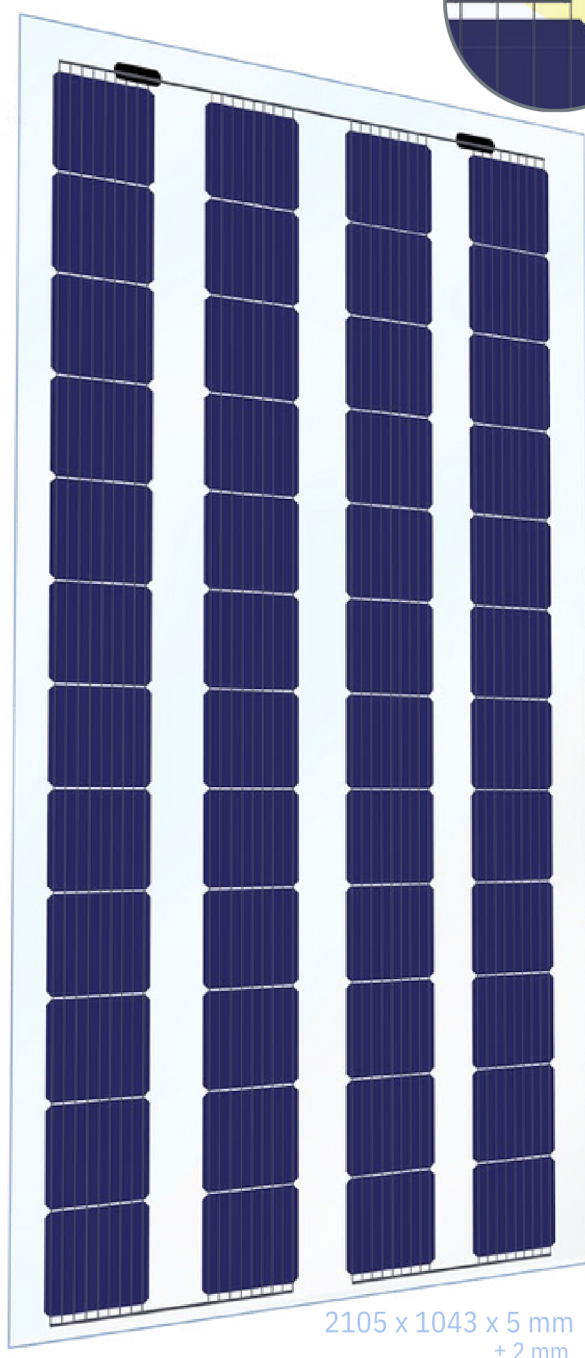
## Mechanical Specification

Solar Cell	Bifacial, 9BB
No. of Cells	48 (4 x 12)
Dimensions Size 2	2105 × 1043 × 5 mm (without J-box)
Weight Size 2	26 kg
Front/Back Glass	2 mm heat strengthened glass
Junction Box	IP68 rated (two bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (230 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C

## Packing Configuration

### 40' HC Container

Pieces per pallet	33
Pallets per container	22
Pieces per container	726





# AG-B120 - 370 Wp

High performance module with „halfcut“ cells

120 cells

certified double glass modules according to EN12600 for overhead mounting

## Electrical Specification (STC)

Maximum Power at (Pmax)	370 Wp
Optimum Operating Voltage (Vmp)	34.4 V
Optimum Operating Current (Imp)	10.77 A
Open Circuit Voltage (Voc)	41.0 V
Short Circuit Current (Isc)	11.37 A
Module Efficiency	19.9 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Isc	0.04 %/°C

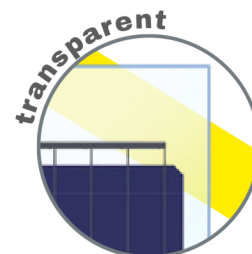
## Mechanical Specification

Solar Cell	Bifacial halfcut, 9BB
No. of Cells	120 (6 x 20)
Dimensions Size 1	1771 x 1049 x 35 mm (with frame)
Weight Size 1	24.5 kg
Front/Back Cover	2 mm heat strengthened ultra-white glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (1000 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C

## Packing Configuration

40' HC Container

Pieces per pallet / Container	32 / 832
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1771 x 1049 x 35 mm  
± 2 mm

# AG-M120 - 375 Wp

High performance module with „halfcut“ cells

120 cells

M6

## Electrical Specification (STC)

Maximum Power at (Pmax)	375 Wp
Optimum Operating Voltage (Vmp)	34.7 V
Optimum Operating Current (Imp)	10.81 A
Open Circuit Voltage (Voc)	41.3 V
Short Circuit Current (Isc)	11.41 A
Module Efficiency	20.2 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Isc	0.04 %/°C

## Mechanical Specification

Solar Cell	M6: 166 x 83 mm monocrystalline halfcut,
No. of Cells	9BB 120 (6 x 20)
Dimensions Size 1	1771 x 1049 x 35 mm (with frame)
Weight Size 1	20 kg
Front Cover	3.2 mm low-iron tempered glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (1000 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C



1771 x 1049 x 35 mm  
± 2 mm

## Packing Configuration

40' HC Container

Pieces per pallet / Container	32 / 832
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# AG-M120-B - 360 Wp

High performance module with „halfcut“ cells

120 cells  
M6

BLACK EDITION

## Electrical Specification (STC)

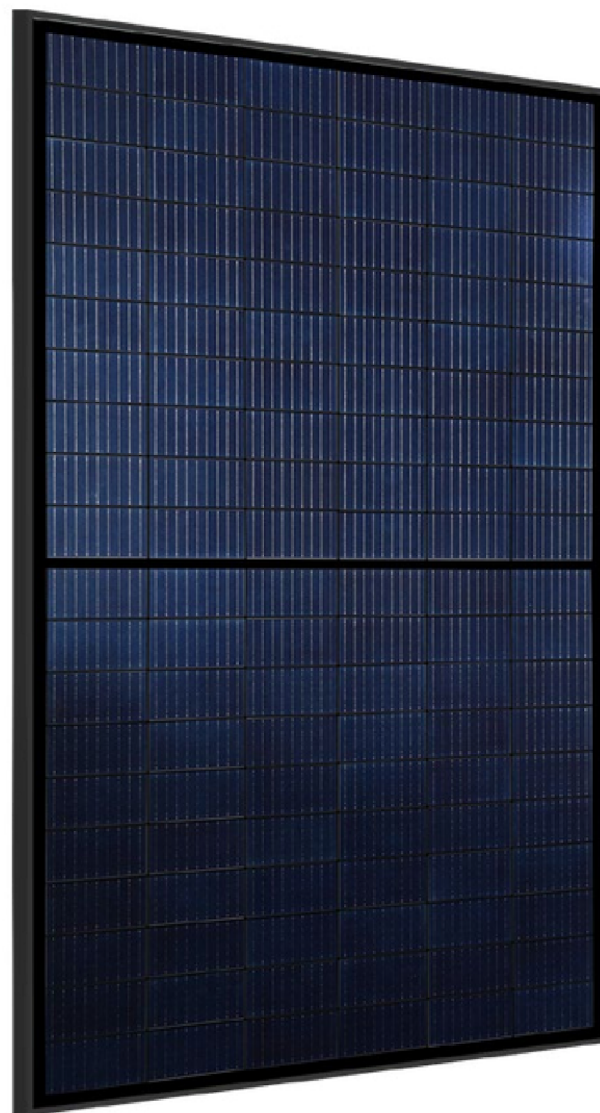
Maximum Power at (Pmax)	360 Wp
Optimum Operating Voltage (Vmp)	33.9 V
Optimum Operating Current (Imp)	10.63 A
Open Circuit Voltage (Voc)	40.5 V
Short Circuit Current (Isc)	11.21 A
Module Efficiency	19.4 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Isc	0.04 %/°C

## Mechanical Specification

Solar Cell	M6: 166 x 83 mm monocrystalline halfcut,
No. of Cells	9BB 120 (6 x 20)
Dimensions Size 1	1771 x 1049 x 35 mm (with frame)
Weight Size 1	20 kg
Front Cover	3.2 mm low-iron tempered glass
Junction Box	IP68
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (1000 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C



1771 x 1049 x 35 mm  
± 2 mm

## Packing Configuration

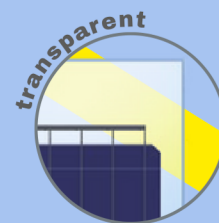
40' HC Container

Pieces per pallet / Container	32 / 832
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# AG-B144 - 450 Wp

High performance module with „halfcut“ cells

144 cells



certified double glass modules according to EN12600 for overhead mounting

## Electrical Specification (STC)

Maximum Power at (Pmax)	450 Wp
Optimum Operating Voltage (Vmp)	41.7 V
Optimum Operating Current (Imp)	10.80 A
Open Circuit Voltage (Voc)	49.7 V
Short Circuit Current (Isc)	11.39 A
Module Efficiency	20.3 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Isc	0.04 %/°C

## Mechanical Specification

Solar Cell	Bifacial halfcut, 9BB
No. of Cells	144 (6 x 24)
Dimensions Size 2	2111 × 1049 × 35 mm (with frame)
Weight Size 2	29 kg
Front/Back Cover	3,2 mm heat strengthened ultra-white glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (1130 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C



2111 x 1049 x 35 mm  
± 2 mm

## Packing Configuration

40' HC Container

Pieces per pallet / Container	32 / 832
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# AG-M144 - 450 Wp

High performance module with „halfcut“ cells

144 cells

## Electrical Specification (STC)

Maximum Power at (Pmax)	450 Wp
Optimum Operating Voltage (Vmp)	41.7 V
Optimum Operating Current (Imp)	10.79 A
Open Circuit Voltage (Voc)	49.7 V
Short Circuit Current (Isc)	11.38 A
Module Efficiency	20.3 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Isc	0.04 %/°C

## Mechanical Specification

Solar Cell	M6: 166 x 83 mm monocrystalline halfcut,
No. of Cells	9BB 144 (6 x 24)
Dimensions Size 2	2111 x 1049 x 35 mm (with frame)
Weight Size 2	23.5 kg
Front Cover	3.2 mm low-iron tempered glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (1130 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C

## Packing Configuration

40' HC Container

Pieces per pallet / Container	32 / 832
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2111 x 1049 x 35 mm  
± 2 mm

# AG-M144-B - 440 Wp

High performance module with „halfcut“ cells

144 cells

BLACK EDITION

## Electrical Specification (STC)

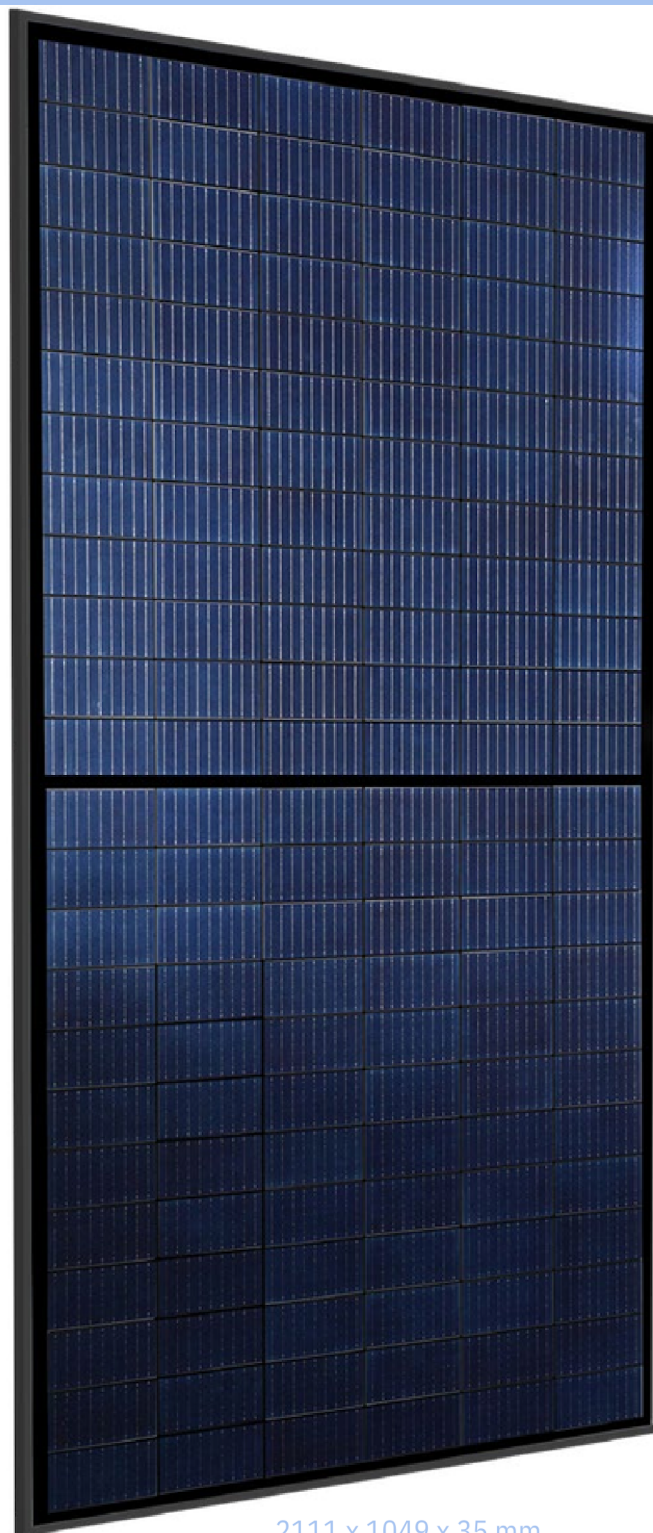
Maximum Power at (Pmax)	440 Wp
Optimum Operating Voltage (Vmp)	41.2 V
Optimum Operating Current (Imp)	10.69 A
Open Circuit Voltage (Voc)	49.0 V
Short Circuit Current (Isc)	11.30 A
Module Efficiency	19.9 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Isc	0.04 %/°C

## Mechanical Specification

Solar Cell	M6: 166 x 83 mm monocrystalline halfcut,
No. of Cells	9BB 144 (6 x 24)
Dimensions Size 2	2111 x 1049 x 35 mm (with frame)
Weight Size 2	23.5 kg
Front Cover	3.2 mm low-iron tempered glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (1130 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C



2111 x 1049 x 35 mm  
± 2 mm

## Packing Configuration

40' HC Container

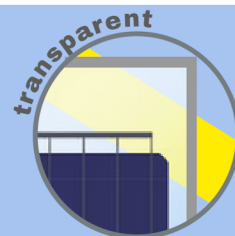
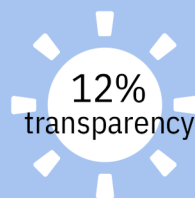
Pieces per pallet / Container	32 / 832
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# AG-B72 - 225 Wp

double glass module with „halfcut“ cells

120 cells



certified double glass modules according to EN12600 for overhead mounting

## Electrical Specification (STC)

Maximum Power at (Pmax)	225 Wp
Optimum Operating Voltage (Vmp)	20.8 V
Optimum Operating Current (Imp)	10.82 A
Open Circuit Voltage (Voc)	24.9 V
Short Circuit Current (Isc)	11.32 A
Module Efficiency (front side only)	10.2 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	20 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	43±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.049 %/°C

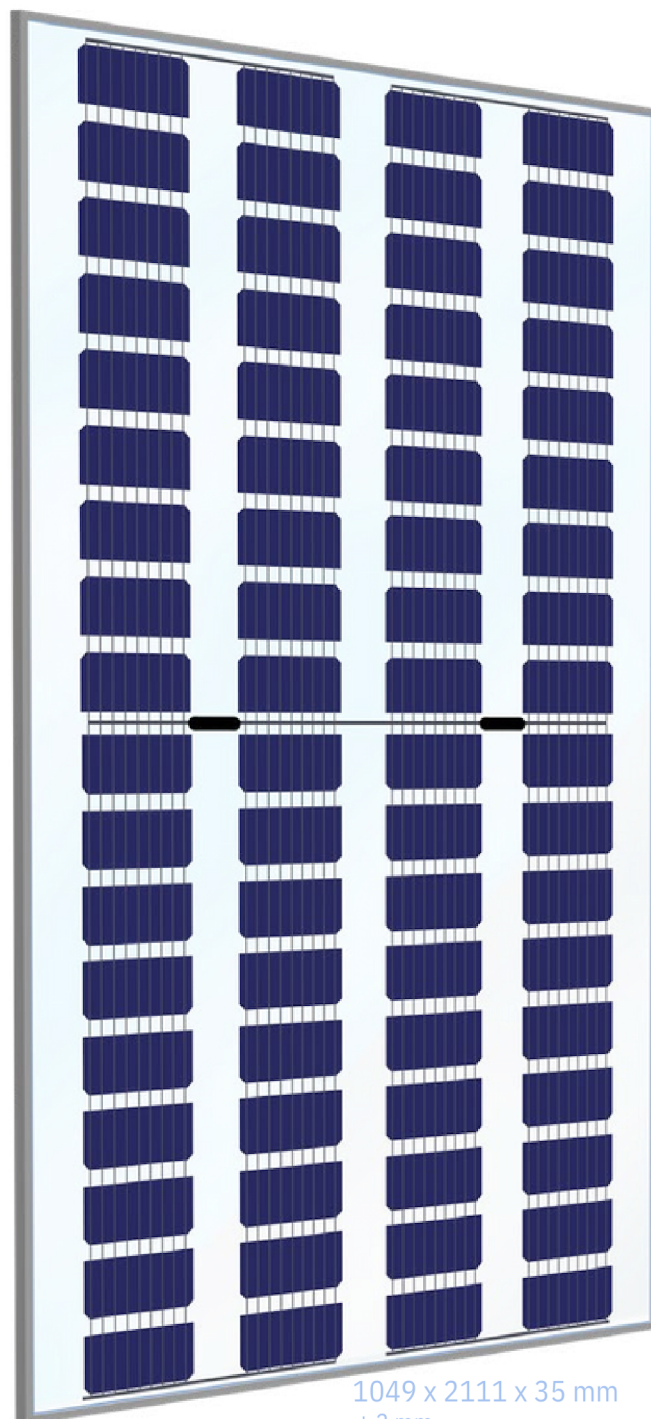
## Mechanical Specification

Solar Cell	Bifacial halfcut, 9BB
No. of Cells	72 (4 x 18)
Dimensions Size 1	1049 x 2111 x 35 mm (with frame)
Weight Size 1	29 kg
Front/Back Glass	2 mm heat strengthened glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (1130 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C

## Packing Configuration

40' HC Container

Pieces per pallet / Container	32 / 832
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best suitable for AgriPV

# AG-M108 - 410 Wp

High performance module with „halfcut“ cells

108 cells  
M10

## Electrical Specification (STC)

Maximum Power at (Pmax)	410 Wp
Optimum Operating Voltage (Vmp)	31.4 V
Optimum Operating Current (Imp)	13.06 A
Open Circuit Voltage (Voc)	37.4 V
Short Circuit Current (Isc)	13.81 A
Module Efficiency	21 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	25 A
Power Tolerance	0/+5 W

## Temperature Specification

Nominal Operating Cell Temperature (NOCT)	43±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Isc	0.049 %/°C

## Mechanical Specification

Solar Cell	M10: 182 x 91 mm monocrystalline
No. of Cells	halfcut 108 (6 x 18)
Dimensions Size 1	1722 x 1134 x 30 mm (with frame)
Weight Size 1	21.8 kg
Front Cover	3.2 mm low-iron tempered glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (400 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C



1722 x 1134 x 30 mm  
± 2 mm

## Packing Configuration 40' HC Container

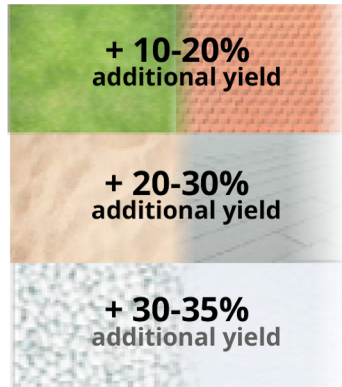
Pieces per pallet / Container	32 / 832
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OEM production in China



# Bifacial Modules

For the glass module with bifacial cell technology, the light is caught both on the front and on the back of the module. The increased light input increases the efficiency of the module. The efficiency gain depends on the radiation situation (background and atmosphere).



**+ 10-20%  
additional yield**

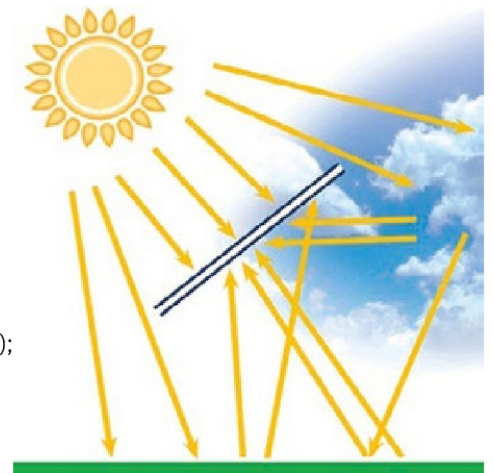
**+ 20-30%  
additional yield**

**+ 30-35%  
additional yield**

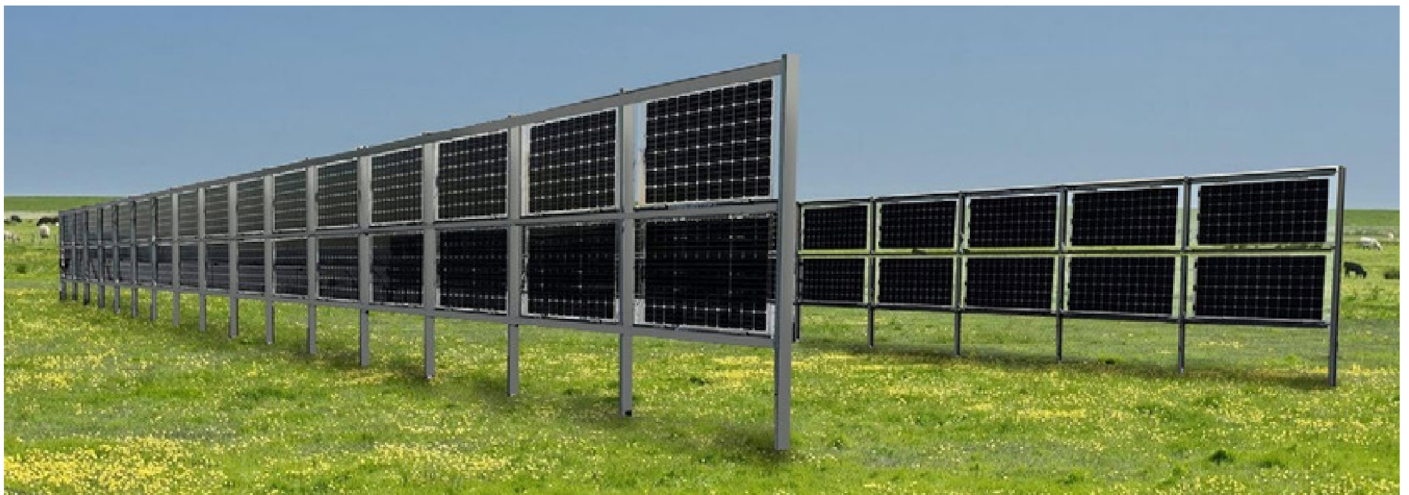
low / medium reflecting surfaces (e.g., tile roof, grass);  
Mounting distance to substrate min. 40cm

good reflective surfaces (e.g. flat roof with gray film, sand);  
Mounting distance to the ground 60cm -1.5m

very good reflective surfaces (e.g. glacier, snow);  
Mounting distance to the ground larger than 1.5m



## AgriPV







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**Web:** [www.agora-solar.com](http://www.agora-solar.com)

**Factory: Headquarter:**

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