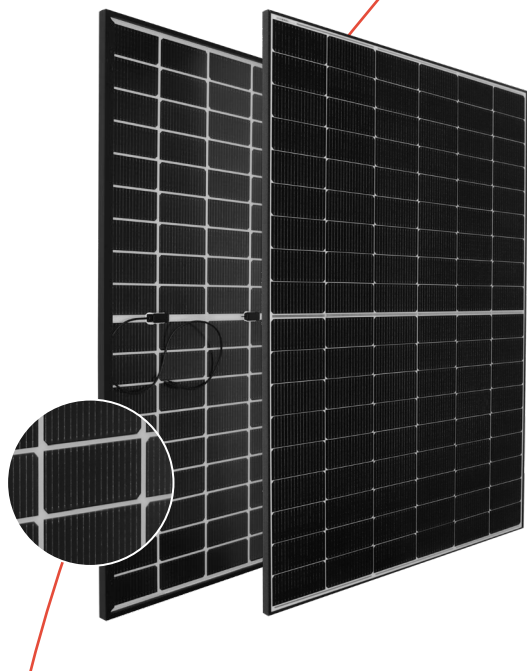


Have sun!

On modules & mounting systems  
**15 years  
combination  
warranty**



[Product datasheet](#)

# IBC Module Bifacial 430, 435 LS-TA1

High-quality double-glazed solar modules  
made of monocrystalline half-cut cells.

Online shop:  
Find our products  
and further  
information here.



### Multi-busbar technology

Reduced power and shading losses by using of 16 cell connectors.



### Bifacial power generation

Up to 25% higher yield caused by double-sided active module, which absorbs sunlight with the front and back.



### Better cell protection

The front and back glass layer protects the cells from damaging and environmental impacts



### Highest efficiency

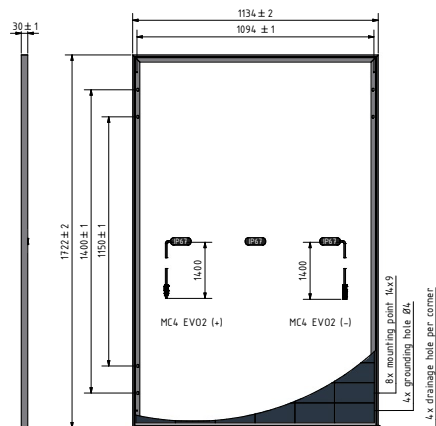
The combination of bifacial cells with a white grid ensures maximum yield.

### You also benefit from:

- a positive power tolerance (-0/+3%)
- increased mechanical stability (5,400 Pa)
- a German guarantor
- 100% proved quality
- a 30-year performance warranty
- a 25-year product warranty



Have sun!



IBC Module	Bifacial 430 LS-TA1	Bifacial 435 LS-TA1
Article number	2006300001	2006300002
<b>Electrical data (STC)<sup>3</sup></b>		
STC Power Pmax (Wp)	430	435
STC Nominal Voltage Umpp (V)	32.76	32.96
STC Nominal Current Imp (A)	13.14	13.21
STC Open Circuit Voltage Uoc (V)	39.21	39.41
STC Short Circuit Current Isc (A)	13.9	13.96
Module Efficiency (%)	22.02	22.28
Power Tolerance (%)	-0/+3	-0/+3
<b>Electrical data (NMOT)</b>		
NMOT (°C)	45	45
800 W/m <sup>2</sup> NMOT AM 1.5 Power Pmax (Wp)	323	327
800 W/m <sup>2</sup> NMOT AM 1.5 Nominal Voltage Umpp (V)	30.39	30.57
800 W/m <sup>2</sup> NMOT AM 1.5 Open Circuit Voltage Uoc (V)	36.83	37.01
800 W/m <sup>2</sup> NMOT AM 1.5 Short Circuit Current Isc (A)	11.21	11.25
Relative Efficiency Reduction at 200 W/m <sup>2</sup> (%)	17.71	17.92
<b>Temperature coefficient (linear)</b>		
Tempcoeff Isc (%/°C)	+0.048	+0.048
Tempcoeff Uoc (mV/°C)	-98.025	-98.525
Tempcoeff Pmpp (%/°C)	-0.29	-0.29

<b>Operating conditions</b>	
Max. System Voltage (V)	1500
Application Class	A
Reverse Current Ir (A)	25
Fuse protection from parallel strings	3
Protection class	II (DIN EN 61140)
Fire protection	Class C (IEC 61730-ANSI/UL790)
<b>Mechanical properties</b>	
Dimensions (L × W × H in mm)	1722 × 1134 × 30
Weight (kg)	23.6
Max. Test load, Push/Pull (Pa)	5400/2400
Max. Design load <sup>2</sup> , Push/Pull (Pa)	3600/1600
Front sheet (mm)	2.0 (low-iron photovoltaic glass and anti-reflective coating)
Frame	anodized aluminium, sturdy hollow-chamber frame
Cells	12 × 9 mono-crystalline silicon cells
Connection type	Stäubli MC4-EVO 2A
<b>Warranties and certification</b>	
Product warranty	25 years <sup>1</sup>
Performance warranty	30 years <sup>1</sup>
Annual degradation	year 1 1.0 % year 2-30 0.4 %
Certification	IEC 61215, IEC 61730-1/-2, ISO 9001, ISO 14001, OHSAS 18001
<b>Packaging information</b>	
Number of modules per pallet	36
Number of pallets per truck	28
Dimensions incl. pallet (L × W × H in mm)	1764 x 1140 x 1254
Gross weight incl. double pallet (kg)	885.6
Stackability per pallet	2-fold

1) The linear power and product warranty are only valid for installations within Europe and Japan. The warranty requires installation according to the valid installation instructions. Standard test conditions: 1000 W/m<sup>2</sup> irradiation with a spectral distribution of AM 1.5 and a cell temperature of 25°C. 800 W/m<sup>2</sup>, NOCT. Information according to EN 60904-3 (STC). All values according to DIN EN 50380. Errors and changes reserved. The precise conditions and content can be taken from the respectively valid version of the product and power warranty, which you can obtain from your IBC Premium Partner.

2) Loads according to IEC 61215-2:2016, max. design load

3) Measurement tolerances +/- 3 % at STC: 1000 W/m<sup>2</sup>, 25 +/- 2 °C, AM 1.5

Your Premium Partner