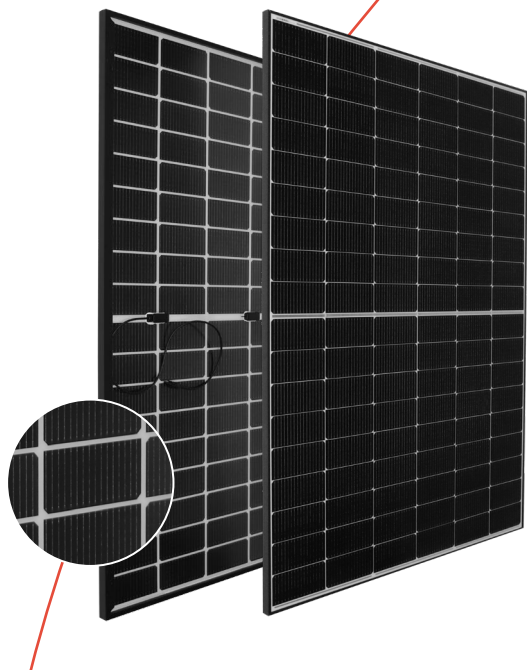


Have sun!

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.



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:

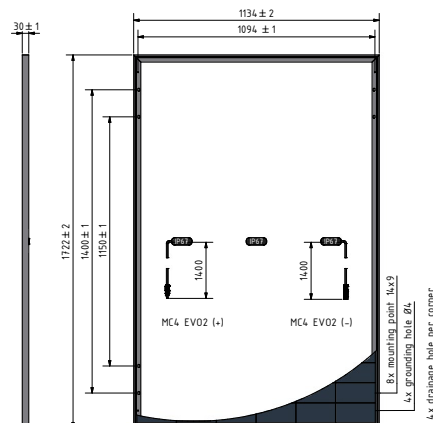
- a positive power tolerance (-0/+3%)
- increased mechanical stability (5,400 Pa)
- a German guarantor
- 100% proved quality
- a 30-year performance warranty
- a 25-year product warranty

Online shop:

Find our products
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Have sun!



IBC Module	Bifacial 430 LS-TA1	Bifacial 435 LS-TA1
Article number	2006300001	2006300002
Electrical data (STC)²		
STC Power P _{max} (Wp)	430	435
STC Nominal Voltage U _{mpp} (V)	32.76	32.96
STC Nominal Current I _{mpp} (A)	13.14	13.21
STC Open Circuit Voltage U _{oc} (V)	39.21	39.41
STC Short Circuit Current I _{sc} (A)	13.9	13.96
Module Efficiency (%)	22.02	22.28
Power Tolerance (%)	-0/+3	-0/+3
Electrical data (NMOT)		
NMOT (°C)	45	45
800 W/m ² NMOT AM 1.5 Power P _{max} (Wp)	323	327
800 W/m ² NMOT AM 1.5 Nominal Voltage U _{mpp} (V)	30.39	30.57
800 W/m ² NMOT AM 1.5 Open Circuit Voltage U _{oc} (V)	36.83	37.01
800 W/m ² NMOT AM 1.5 Short Circuit Current I _{sc} (A)	11.21	11.25
Relative Efficiency Reduction at 200 W/m ² (%)	2.33	2.3
Temperature coefficient (linear)		
Tempcoefficient I _{sc} (%/°C)	+0.048	+0.048
Tempcoefficient U _{oc} (mV/°C)	-98.025	-98.525
Tempcoefficient P _{mp} (%/°C)	-0.29	-0.29

Operating conditions		
Max. System Voltage (V)	1500	
Application Class	A	
Reverse Current I _r (A)	25	
Fuse protection from parallel strings	3	
Protection class	II (DIN EN 61140)	
Fire protection	Class C (IEC 61730-ANSI/UL790)	
Mechanical properties		
Dimensions (L × W × H in mm)	1722 × 1134 × 30	
Weight (kg)	23.6	
Max. Test load, Push/Pull (Pa)	5400/2400	
Max. Design load ² , Push/Pull (Pa)	3600/1600	
Front (mm)	2.0 (low-iron photovoltaic glass and anti-reflective coating)	
Back (mm)	2.0 (low-iron photovoltaic glass)	
Frame	anodized aluminium, sturdy hollow-chamber frame	
Cells	12 × 9 mono-crystalline silicon cells	
Connection type	Stäubli MC4-EVO 2A	
Warranties and certification		
Product warranty	25 years ¹	
Performance warranty	30 years ¹	
Annual degradation	year 1	1.0 %
	year 2-30	0.4 %
Certification	IEC 61215, IEC 61730-1/-2, ISO 9001, ISO 14001, OHSAS 18001	
Packaging information		
Number of modules per pallet	36	
Number of pallets per truck	26	
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/m² irradiation with a spectral distribution of AM 1.5 and a cell temperature of 25°C. 800 W/m², 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/m², 25 +/- 2 °C, AM 1.5

Your Premium Partner