

EEEASILY
MORE.

Excellent. Efficient. Expert.

The Value-Added Modules of the IBC SOLAR Line.

IBC MonoSol 370, 375, 380 OS9-HC

First-class solar modules made of monocrystalline half-cut-cells



25 year power and
10 year product warranty¹



Positive power tolerance (-0/+5)



Increased mechanical stability (5400 Pa)



German warrantor



100% tested quality



Improved shading management thanks to half-cut-technology

IBC SOLAR – your partner for energy solutions

IBC SOLAR AG has had a successful presence in the photovoltaic market for more than 35 years and is one of the leading international energy companies providing high-performance solutions in every size and for every application with intelligent photovoltaic systems. The economic strength and financial independence is confirmed by globally recognised ratings.

Smart Systems for Solar Power thanks to perfectly matched components. More than 1,000 highly qualified partners around the world, as well as more than 4,200 megawatts of installed power, which supply around 2 million people with clean energy, underline IBC SOLAR's position as a leading PV system integrator from Germany and the high level of expertise of IBC SOLAR.



Management System
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
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ID 9105069440



Engineered
in GERMANY

The ideal solution for:



IBC MonoSol	370 OS9-HC375 OS9-HC375 OS9-HC
Article number	200570007420057000732005700080

Electrical data (NOCT):			
800 W/m ² NOCT AM 1.5 Power Pmax (Wp)	274.	277.	281,5
800 W/m ² NOCT AM 1.5 Nominal Voltage Umpp (V)	1	8	32.4
800 W/m ² NOCT AM 1.5 Open Circuit Voltage Uoc (V)	32.0	32.2	38.7
800 W/m ² NOCT AM 1.5 Short Circuit Current Isc (A)	38.3	38.5	9.45
Relative Efficiency Reduc at 200 W/m ² (%)	9.29	9.38	3.0
	3.0	3.0	

Temperature			
NOCT (°C)	45	45	45
Tempcoeff Isc (%/°C)	+0.048	+0.048	+0.048
Tempcoeff Voc (mV/°C)	-110.43	-110.97	-111.51
Tempcoeff Pmpp (%/°C)	-0.35	-0.35	-0.35

Operating conditions:	
Max. System Voltage (V)	1500
Application Class	A
Reverse Current I _r (A)	20
Current value string fuse (A)	20
Fuse protection from parallel strings	2

Mechanical properties:	
Dimensions (L × W × H in mm)	1755 × 1038 × 35
Weight (kg)	20.0
Max. Test load, Push/Pull (Pa)	5400/2400
Max. Design load2, Push/Pull (Pa)	3600/1600
Front sheet (mm)	3.2 (low-iron photovoltaic glass and anti-reflective coating)
Frame	anodized aluminium, sturdy hollow-chamber frame
Cells	12 × 10 mono-crystalline silicon cells
Connection type	EVO2

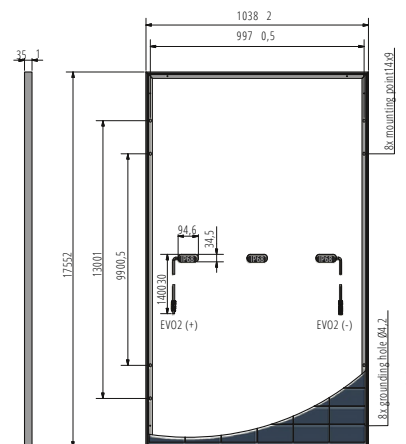
Warranties	and	
	Product	10 years ¹
warranty		25 years ¹
Power warranty		IEC 61215, IEC 61730-1/-2, ISO 9001
Certification		ISO 14001, OHSAS 18001

Packaging information:	
Number of modules per pallet	29
Number of pallets per 40' container	24
Dimensions incl. pallet (L x W x H in mm)	1150 x 1130 x 115
Gross weight incl. double pallet (kg)	1175.635
Stackability per pallet	2-fold

The graph illustrates the performance difference between two solar power warranties over a 25-year period. The y-axis represents the percentage of minimum output, ranging from 0 to 90. The x-axis represents time in years, from 0 to 25. A red line shows the linear power warranty, which starts at 100% output and decreases to 80% output by year 25. A blue hatched area represents the tiered power warranty, which maintains 90% output for the first 12 years and then drops to 80% output for the remainder of the 25-year period. The orange shaded regions indicate the additional benefit provided by the IBC Solar linear power warranty compared to the tiered warranty.

Years	Linear Warranty (% Output)	Tiered Warranty (% Output)
0	100	90
12	92	90
25	80	80

The warranty presupposes installation in accordance with 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. The precise conditions and content can be taken from the respectively valid version of the product and power warranty, which you obtain from your IBC Premium Partner. Subject to errors and modifications.



Presented by: