Smart Systems
for Solar Power

IBC SOLAR

IBC EcoLine - The reliable choice for steady returns

IBC PolySol 240 MS, 245 MS

Solar modules made by polycrystalline silicon

Whether for single family homes, industrial roofs or open spaces - the trusted polycrystalline solar modules, IBC PolySol, are perfectly suited for anyone placing high demands on quality and cost efficiency. IBC SOLAR defines the most stringent specifications for components used, ensuring you the best results. The acidic textured cells absorb light even better. Thanks to the modules' positive power tolerance and linear performance guarantee, you'll benefit from high output and returns.

Highlights

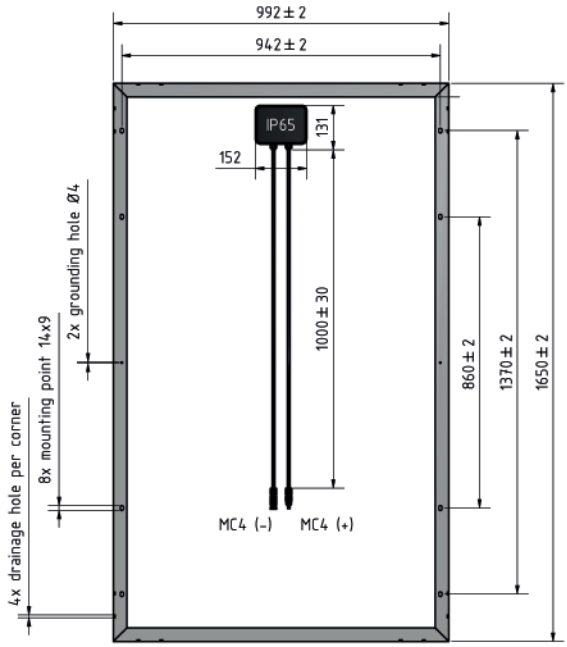
- 10-year product warranty*
- 25 years linear power warranty*
  linear power decrease of no more than 0,8 % per year, 80% / 25 years
- Power tolerance -0 / +5 Wp
- Low-iron solar glass (thickness 3,2 mm) for improved light transmission and sturdy hollow-chamber frame
- Tested according IEC 61215 for snow loads up to 5400 Pa (ca. 550 kg/m²)
- IEC 61730, application class A for system voltages up to 1,000 V, protection class II
- Produced in ISO 9001 certified factories
- SGS TÜV Saar certified manufacturing plant
- 100% end control with individual registration of the electrical characteristics
- Quality tested by IBC SOLAR in own laboratory with climate chambers and flasher with integrated electroluminescence measurement

PV CYCLE

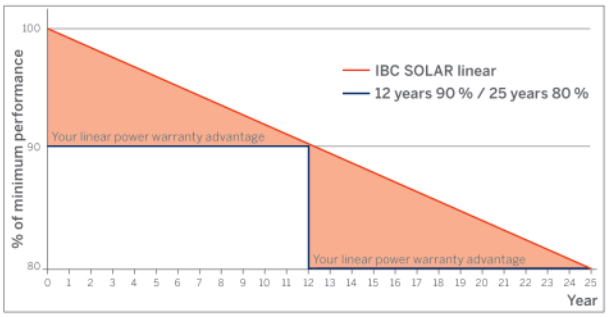
SGS TÜV SAAR CERTIFIED SUPPLIER: Equipment, Quality Management, Qualification

CE

Dimensioned drawing IBC PolySol 2xx MS



Progression of the power warranty



TECHNICAL DATA

IBC PolySol	240 MS	245 MS
STC Power Pmax (Wp)	240	245
STC Nominal Voltage Umpp (V)	30.0	30.2
STC Nominal Current Impp (A)	8.01	8.12
STC Open circuit voltage Uoc (V)	37.2	37.4
STC Short circuit current Isc (A)	8.56	8.69
800 W/m² NOCT AM1.5 Power Pmax (Wp)	173.5	180.7
800 W/m² NOCT AM1.5 Nominal Voltage Umpp (V)	28.0	28.2
800 W/m² NOCT AM1.5 Open Circuit Voltage Uoc (V)	34.2	34.4
800 W/m² NOCT AM1.5 Short Circuit Current Isc (A)	7.00	7.09
Rel. efficiency reduction @ 200W/m² (%)	2.8	2.5
Tempcoeff Isc (%/°C)	+0.04	+0.04
Tempcoeff Uoc (mV/°C)	-123	-123
Tempcoeff Pmpp (%/°C)	-0.48	-0.48
Module Efficiency (%)	14.7	14.9
NOCT (°C)	48	45
Max. System Voltage (V)	1000	1000
Max. Reverse Current Ir (A)	20	20
Current value String fuse (A)	15	15
Fuse protection from parallel strings	4	4
Height (mm)	45	45
Weight (kg)	19.0	19
Article number	2202800014	2202800015

2013-01-16

Your IBC SOLAR partner:

* Product and power warranty in accordance with the version of the full warranty conditions received from your specialized IBC SOLAR partner at the time of installation. This warranty is valid only when the relevant product is installed in accordance with the applicable installation instructions. Electrical values under standard test conditions: 1000W/m²; 25°C, AM1.5. 800 W/m², NOCT. Specifications according EN60904-3 (STC). All datas according DIN EN 50380. Subject to modifications that represent progress.