



IBC EcoLine

IBC ECOLINE - FOR PARTICULARLY STABLE OUTPUT

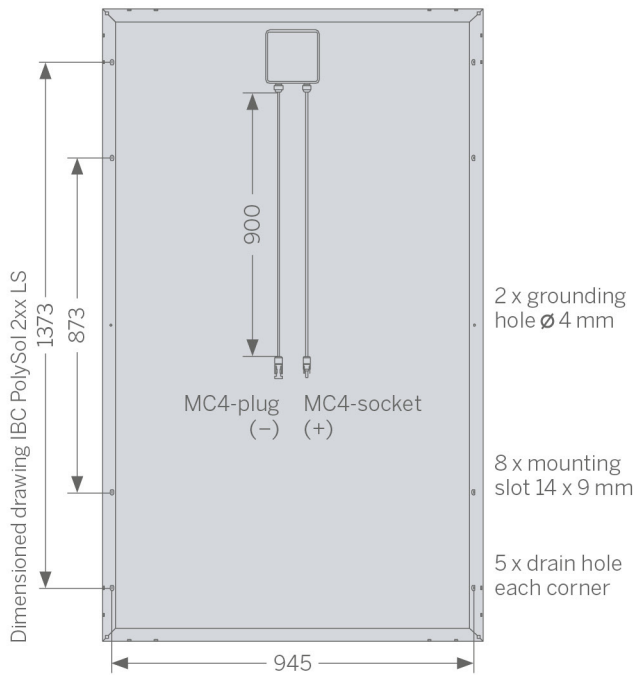
IBC PolySol 220 LS, 225 LS, 230 LS, 235 LS

POLYCRYSTALLINE SOLAR MODULES

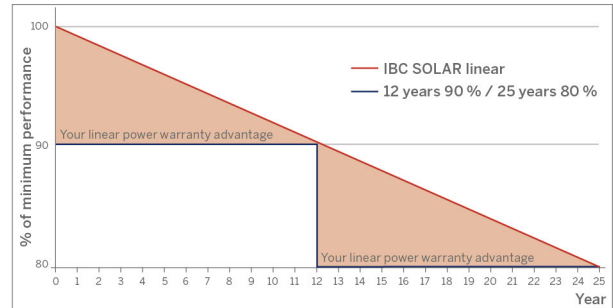
The proven IBC PolySol LS polycrystalline solar modules are ideally suited for everyone with high demands for quality and efficiency - whether for single-family homes, industrial roofs or ground mounted installations. IBC SOLAR has defined extremely stringent specifications for the installed components in order to ensure the best results for you. The acid-textured cells provide better light absorption. You benefit from high output and good returns on investment, thanks to a positive power tolerance and linear power warranty.

HIGHLIGHTS

- Suitable for grid-connected systems
- 25 years linear power warranty*
linear power decrease of no more than 0,8% per year,
- 80% / 25 years
- 10-year product warranty*
- Power tolerance -0/+5 Wp
- 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
- IEC 61215 tested and certified
- Produced in ISO 9001 certified factories
- 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



Your linear power warranty advantage



TECHNICAL DATA

IBC PolySol	220 LS	225 LS	230 LS	235 LS
STC Power Pmax (Wp)	220	225	230	235
STC Nominal Voltage Umpp (V)	29,0	29,3	29,7	30,1
STC Nominal Current Impp (A)	7,59	7,68	7,74	7,81
STC Open circuit voltage Uoc (V)	36,6	36,7	36,7	36,7
STC Short circuit current Isc (A)	8,47	8,60	8,72	8,86
800 W/m ² NOCT AM1.5 Power Pmax (Wp)	157,9	161,5	165,1	167,7
800 W/m ² NOCT AM1.5 Nominal Voltage Umpp (V)	26,0	26,0	26,1	26,3
800 W/m ² NOCT AM1.5 Open Circuit Voltage Uoc (V)	33,7	33,7	33,8	33,8
800 W/m ² NOCT AM1.5 Short Circuit Current Isc (A)	6,62	6,77	6,83	6,93
Rel. efficiency reduction @ 200W/m ² (%)	4,5	4,5	4,5	4,5
Tempcoeff Isc (%/°C)	+0,06	+0,06	+0,06	+0,06
Tempcoeff Uoc (mV/°C)	-124	-125	-125	-125
Tempcoeff Pmpp (%/°C)	-0,44	-0,44	-0,44	-0,44
Module Efficiency (%)	13,4	13,7	14,0	14,3
NOCT °C	47	47	47	47
Max. System Voltage (V)	1000	1000	1000	1000
Current value String fuse (A)	15	15	15	15
Fuse protection from parallel strings	3	3	3	3
Length (mm)	1653	1653	1653	1653
Width (mm)	995	995	995	995
Height (mm)	45	45	45	45
Weight (kg)	20,0	20,0	20,0	20,0
Articlenumber	2202700001	2202700002	2202700003	2202700004

Your IBC SOLAR partner:

01.10.2011

* 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 process.