Smart Systems
for Solar Power

IBC SOLAR

IBC PremiumLine - Oustanding Quality

IBC MonoSol 255 EX, 260 EX, 265 EX

Solar modules made by monocrystalline silicon

These solar modules are suitable for all roofs, from single family homes to industrial buildings. The black color of the cells gives the modules a uniform appearance on the roof. Due to continuous quality control from wafer to end product, the modules offer exceptionally long durability along with maximum performance, efficiency and reliablitity. Due to anti reflection coated solar glass, the absorption of the light is higher and the outcome of this is a revised efficiency. The initial light-induced degradation (LID), typical for monocrystalline solar modules, has already been factored into the actual power output which translates into more profit for you.

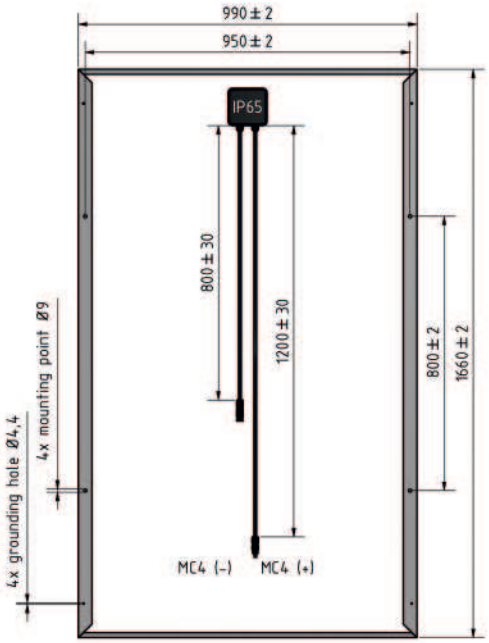
Highlights

- 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
- High efficiency and absorption of light due to anti reflection coated (ARC-glass) solar glass.
- Low-iron solar glass (thickness 3,2 mm) for improved light transmission and sturdy hollow-chamber frame (50mm)
- Tested according IEC 61215 for snow loads up to 5400 Pa (ca. 550 kg/m^2)
- IEC 61730, application class A for system voltages up to 1000 V, protection class II
- Produced in ISO 9001 and ISO 14001-certified factories
- Quality tested by IBC SOLAR in own laboratory with climate chambers and flasher with integrated electroluminescence measurement

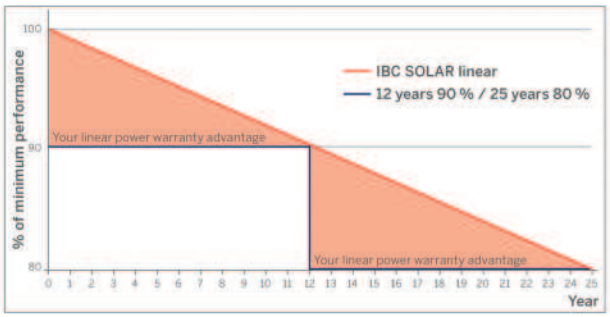
MADE IN GERMANY

PV CYCLE

CE



Progression of the power warranty



TECHNICAL DATA

IBC MonoSol	255 EX	260 EX	265 EX
STC Power Pmax (Wp)	255	260	265
STC Nominal Voltage Umpp (V)	29.9	30.3	30.6
STC Nominal Current Impp (A)	8.52	8.60	8.68
STC Open circuit voltage Uoc (V)	37.3	37.6	37.9
STC Short circuit current Isc (A)	9.12	9.19	9.26
800 W/m² NOCT AM1.5 Power Pmax (Wp)	185	189	193
800 W/m² NOCT AM1.5 Nominal Voltage Umpp (V)	27.5	27.8	28.1
800 W/m² NOCT AM1.5 Open Circuit Voltage Uoc (V)	34.3	34.6	34.9
800 W/m² NOCT AM1.5 Short Circuit Current Isc (A)	7.35	7.40	7.46
Rel. efficiency reduction @ 200W/m² (%)	2.2	2.2	2.2
Tempcoeff Isc (%/°C)	+0.03	+0.03	+0.03
Tempcoeff Uoc (mV/°C)	-115.6	-116.6	-117.5
Tempcoeff Pmpp (%/°C)	-0.44	-0.44	-0.44
Module Efficiency (%)	15.5	15.8	16.1
NOCT (°C)	48.4	48.4	48.4
Max. System Voltage (V)	1000	1000	1000
Max. Reverse Current Ir (A)	25	25	25
Current value String fuse (A)	15	15	15
Fuse protection from parallel strings	4	4	4
Height (mm)	50	50	50
Weight (kg)	21	21	21
Article number	2001200002	2001200004	2001200005

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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.

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