



EFFICIENT ALLROUNDER

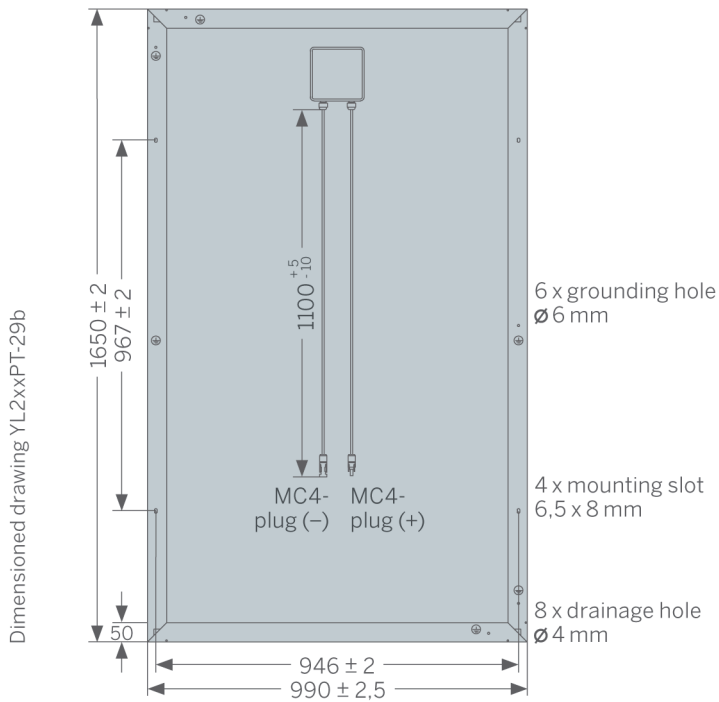
Yingli YL235PT-29b, YL240PT-29b, YL245PT-29b

POLYCRYSTALLINE SOLAR MODULES

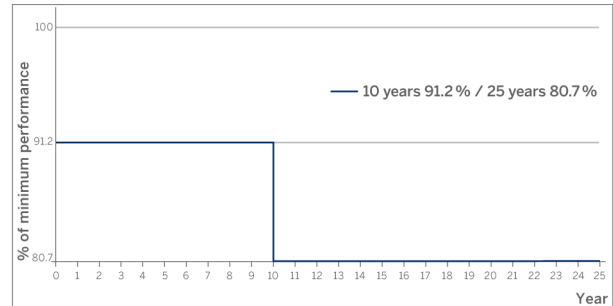
From single-family homes to open-area systems - the modules from the Yingli PT-29b series can be used everywhere. Their particular appeal lies in their cost-effectiveness. In addition, the use of three cell connectors reduces loss of electricity. Especially efficient polycrystalline solar cells combined with highly transparent solar glass provide optimum yields.

HIGHLIGHTS

- ❑ 10-year product warranty*
- ❑ Power warranty*
 - 10 Years (91,2%)
 - 25 Years (80,7%)
- ❑ 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 1000 V
- ❑ IEC 61215 tested and certified
- ❑ Produced in ISO 9001- and 14001-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



Progression of the power warranty



TECHNICAL DATA

| Yingli PANDA | 235PT-29b | 240PT-29b | 245PT-29b |
|---|------------|------------|------------|
| STC Power Pmax (Wp) | 235 | 240 | 245 |
| STC Nominal Voltage Umpp (V) | 29,5 | 29,5 | 30,2 |
| STC Nominal Current Impp (A) | 7,97 | 8,14 | 8,11 |
| STC Open circuit voltage Uoc (V) | 37,0 | 37,5 | 37,8 |
| STC Short circuit current Isc (A) | 8,54 | 8,65 | 8,63 |
| 800 W/m ² NOCT AM1.5 Power Pmax (Wp) | 170,7 | 174,3 | 177,9 |
| 800 W/m ² NOCT AM1.5 Nominal Voltage Umpp (V) | 26,6 | 26,6 | 27,2 |
| 800 W/m ² NOCT AM1.5 Open Circuit Voltage Uoc (V) | 33,8 | 34,2 | 34,5 |
| 800 W/m ² NOCT AM1.5 Short Circuit Current Isc (A) | 6,92 | 7,01 | 6,99 |
| Rel. efficiency reduction @ 200W/m ² (%) | 5 | 5 | 5 |
| Tempcoeff Isc (%/°C) | +0,06 | +0,06 | +0,06 |
| Tempcoeff Uoc (mV/°C) | -122 | -124 | -140 |
| Tempcoeff Pmpp (%/°C) | -0,45 | -0,45 | -0,45 |
| Module Efficiency (%) | 14,4 | 14,7 | 15,0 |
| NOCT °C | 46 | 46 | 46 |
| Max. System Voltage (V) | 1000 | 1000 | 1000 |
| Current value String fuse (A) | 12 | 12 | 12 |
| Fuse protection from parallel strings | 3 | 3 | 3 |
| Length (mm) | 1650 | 1650 | 1650 |
| Width (mm) | 990 | 990 | 990 |
| Height (mm) | 40 | 40 | 40 |
| Weight (kg) | 19,1 | 19,1 | 19,1 |
| Articlenumber | 2201700037 | 2201700038 | 2201700039 |

Your IBC SOLAR partner:

08.03.2012

* 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.