

high efficiency photovoltaic module

# XG72P



High Power Peak module composed of 72 multicrystalline 156x156 mm photovoltaic XG156 cells manufactured by XGROUP

Power rating (from 250 to 275Wp)

Frame realized in anodized aluminium in order to satisfy the highest quality standards for stability and resistance against the corrosion

3 bypass diodes to minimize the power loss due to the eventual shading and damage (safety against the "hot spot" effect)

Tempered glass in front and the back cover guarantee the correspondence to the highest electrical and mechanical standards.

Certificate TÜV – IEC 61215 & IEC 61730-2 [max voltage: 1000Vdc – application Class A]

**Transparent version available**

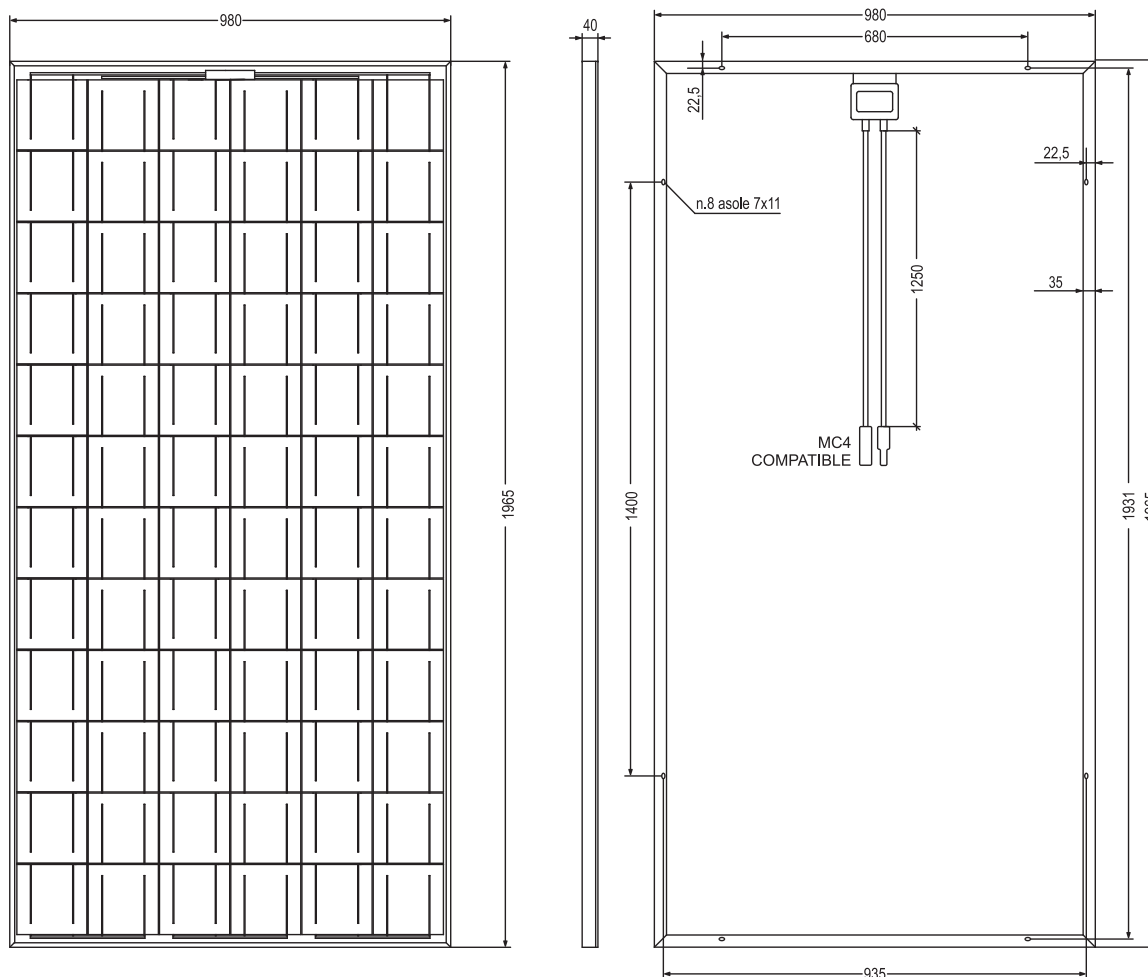
Terminal box 105x80x30 mm, with fast connection cables

5 years product warranty

25 years warranty of minimal 80% efficiency and  
12 years warranty of minimal 90% efficiency  
(in accordance with the conditions declared by the manufacturer)

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|   | Wp    | 250                                     | 255   | 260   | 265   | 270   | 275   |
|---|-------|---|-------|-------|-------|-------|-------|
| Nominal power (Pmp)                                       | Wp    | 250                                     | 255   | 260   | 265   | 270   | 275   |
| Number of cells   | n.    | 72 connesse in serie                    |       |       |       |       |       |
| Tolerance with respect to Pmp in the flash-list           | %     | +/- 1                                   |       |       |       |       |       |
| Short circuit current (Isc)                               | A     | 7,59                                    | 7,69  | 7,86  | 8,05  | 8,15  | 8,25  |
| Open circuit voltage (Voc)                                | V     | 43,45                                   | 43,55 | 44,00 | 44,50 | 44,87 | 45,20 |
| Maximum power voltage (Vmp)                               | V     | 33,71                                   | 34,15 | 34,53 | 34,97 | 35,40 | 35,46 |
| Maximum power current (Imp)                               | A     | 7,42                                    | 7,47  | 7,53  | 7,58  | 7,63  | 7,76  |
| Maximum system voltage                                    | V     | 1000                                    |       |       |       |       |       |
| Packaging   | 1 Box | 2 or 30 modules                         |       |       |       |       |       |
| Box external dimensions                                   | mm    | 1050 x 2020 x 1430h                     |       |       |       |       |       |
| Weight  | Kg    | 27                                      |       |       |       |       |       |
| Temperature coefficient of short circuit voltage $\alpha$ | %/°C  | 0,085                                   |       |       |       |       |       |
| Temperature coefficient of open circuit voltage $\beta$   | %/°C  | -0,33                                   |       |       |       |       |       |
| Temperature coefficient of maximum power $\delta$         | %/°C  | -0,44                                   |       |       |       |       |       |
| Normal operating cell temperature (NOCT)                  | °C    | 44,18                                   |       |       |       |       |       |
| Certificate   |       | IEC 61215, TÜV Safety Class II 1000 VDC |       |       |       |       |       |
| Module efficiency   | %     | 13,0                                    | 13,2  | 13,5  | 13,8  | 14,0  | 14,3  |

All data at standard testing conditions: STC = 1000 W/sq.m., AM 1,5 25°C



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