

high efficiency photovoltaic module

XG60P



High Power Peak module composed of 60 multicrystalline 156x156 mm photovoltaic cells manufactured by XGROUP

Power rating (from 205 to 235 Wp)

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

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

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

Certificate TÜV CEI IEC 61215 (2005-04)

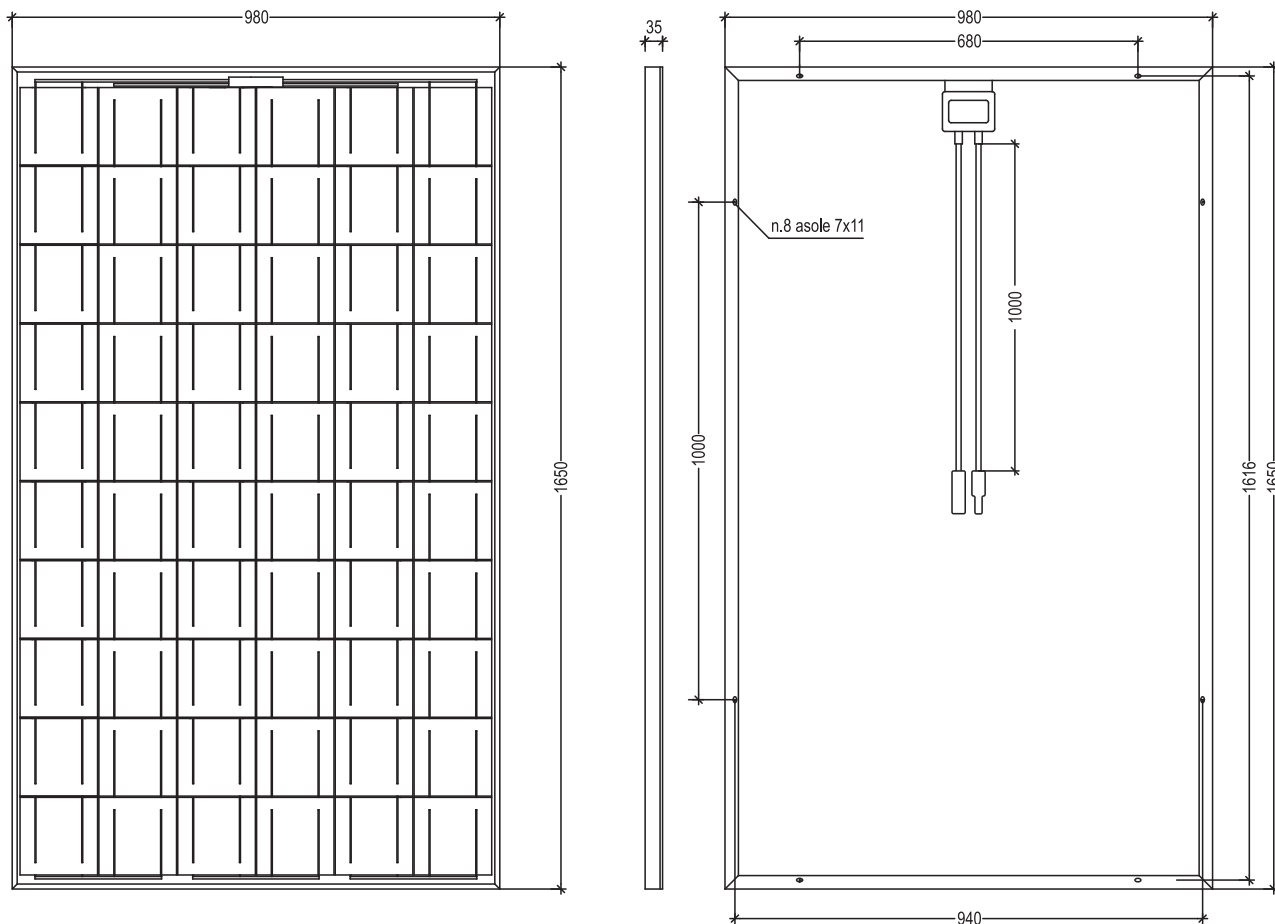
Terminal box 105x80x30 mm, with fast connection cables

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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Nominal power (Pmp)	Wp	205	210	215	220	225	230	235
Number of cells	n.	60						
Tolerance with respect to Pmp in the flash-list	%	+/- 1						
Short circuit current (Isc)	A	7,70	7,85	7,90	8,00	8,05	8,10	8,20
Open circuit voltage (Voc)	V	36,50	36,60	36,65	36,70	37,00	37,10	37,15
Maximum power voltage (Vmp)	V	28,47	28,77	29,05	29,33	29,61	29,87	30,13
Maximum power current (Imp)	A	7,20	7,30	7,40	7,50	7,60	7,70	7,80
Maximum system voltage	V	1000						
Packaging	1 Box	from 2 to 30 modules						
External dimensions	mm	1050 x 1700 x 1027						
Weight	Kg	19						
Temperature coefficient of short circuit current α	%/°C	0,085						
Temperature coefficient of open circuit voltage β	%/°C	-0,36						
Temperature coefficient of maximum power δ	%/°C	-0,40						
Normal operating cell temperature (NOCT)	°C	44,18						
Certificate		IEC 61215, TÜV Safety Class II 1000 VDC						
Module efficiency	%	12,7	13,0	13,3	13,6	13,9	14,2	14,5

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

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