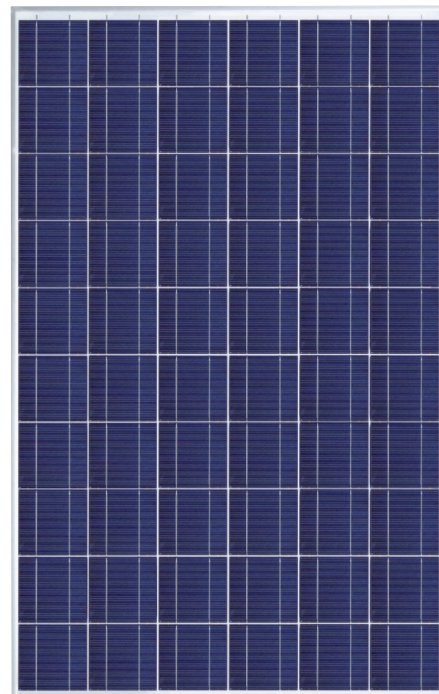


PHOTOVOLTAIC MODULES - 230 / 235 / 240 / 245 / 250

Polycrystalline solar modules

- Solid and reliable
- Cells with high efficiency
- Approved and certified by TUV
- Made in Italy



Technical Features

Model Size	Length x Width x Thickness : 1.644 x 992 x 42 mm
Cell Size	156 x 156 mm
Number of cells	60
Cell type	Polycrystalline Silicon
Weight	21 Kg
Certification	according with IEC/EN 61215 Ed. 2, tuv
Product Warranty	10 years
*Power Warranty	90 % of rated power for 12 years 80 % of rated power for 25 years
Max System Voltage	1000 V

10 years on product
WARRANTY
 25 years on rated power*

Electrical Data

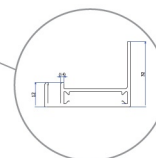
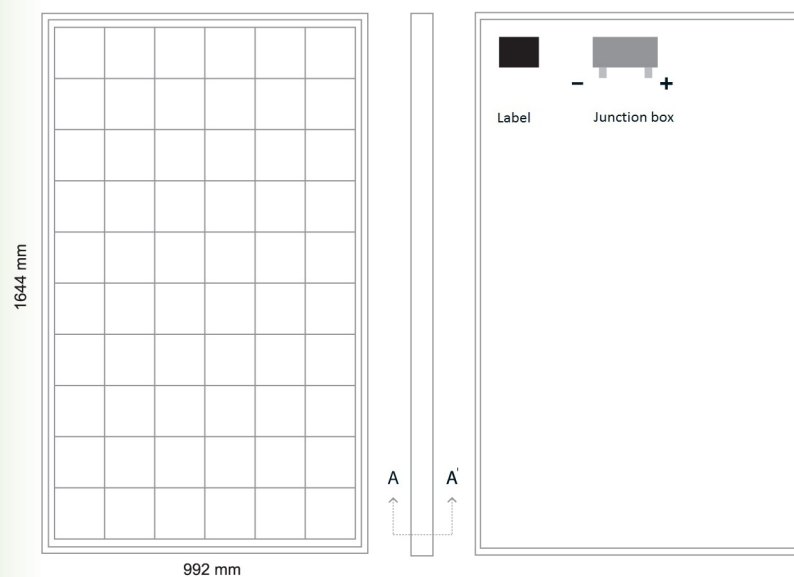
		MCS - 230	MCS - 235	MCS-240	MCS - 245	MCS- 250	
MAX POWER	P _{max}	230	235	240	245	250	Wp
VOLTAGE AT P _{max}	V _{mp}	29,5	29,9	30,40	30,6	30,8	V
CURRENT AT P _{max}	I _{mp}	7,8	7,85	7,9	8	8,1	A
OPEN CIRCUIT VOLTAGE	V _{oc}	37	37,2	37,5	37,6	37,7	V
SHORT CIRCUIT CURRENT	I _{sc}	8,28	8,35	8,5	8,65	8,8	A
TOLERANCE		+ / - 2	+ / - 2	+ / - 2	+ / - 2	+ / - 2	%
SYSTEM MAX VOLTAGE	V _{sys}	1000	1000	1000	1000	1000	V
MODULE EFFICIENCY		14,11	14,42	14,72	15,03	15,34	%
P _{max} TEMPERATURE DEPENDANCE		- 0,41	- 0,41	- 0,41	- 0,41	- 0,41	%°C
V _{oc} TEMPERATURE DEPENDANCE		- 0,34	- 0,34	- 0,34	- 0,34	- 0,34	%°C
I _{sc} TEMPERATURE DEPENDANCE		0,05	0,05	0,05	0,05	0,05	%°C
NOCT		46±2	46±2	46±2	46±2	46±2	°C
WEIGHT		21	21	21	21	21	Kg

Mercatsun s.r.l. reserves the right to change the technical features contained in this publication without notice.

Note 1: Electrical values - air mass 1.5, 1000 W/m² irradiation, cell temperature 25 ° C.

Note 2: The above values are nominal values.

MODULE SIZE



Aluminium frame
Mounting holes on request

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