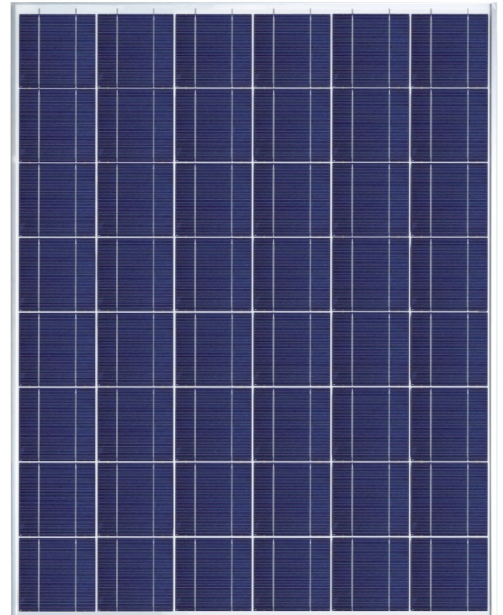


PHOTOVOLTAIC MODULES - 180/ 185 / 190 / 195 / 200

Polycrystalline solar modules

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



Technical Features

10 years on product
WARRANTY
 25 years on rated power*

Model Size	Length x Width x Thickness : 1336 x 992 x 42 mm
Cell Size	156 x 156 mm
Number of cells	48
Cell type	Polycrystalline Silicon
Weight	16 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

Electrical Data

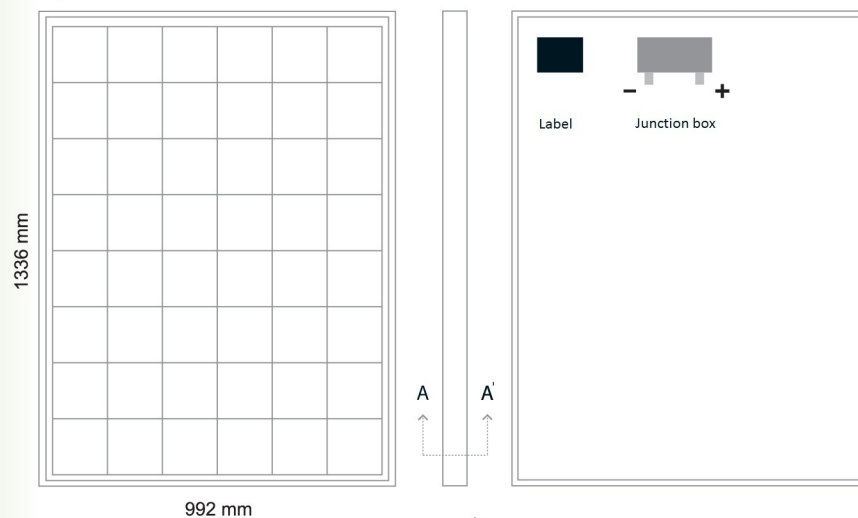
		MCS -180	MCS - 185	MCS - 190	MCS-195	MCS-200	
MAX POWER	P _{max}	180	185	190	195	200	Wp
VOLTAGE AT P _{max}	V _{mp}	24,23	24,6	24,8	24,9	25,2	V
CURRENT AT P _{max}	I _{mp}	7,44	7,55	7,69	7,86	7,93	A
OPEN CIRCUIT VOLTAGE	V _{oc}	29,26	29,6	30,04	30,1	30,05	V
SHORT CIRCUIT CURRENT	I _{sc}	7,95	8,08	8,24	8,44	8,53	A
TOLERANCE		+ / - 2	+ / - 2	+ / - 2	+ / - 2	+ / - 2	%
SYSTEM MAX VOLTAGE	V _{sys}	1000	1000	1000	1000	1000	V
MODULE EFFICIENCY		13,58	13,96	14,34	14,72	15,09	%
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		16	16	16	16	16	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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