

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

Monocrystalline 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 : 1336 x 992 x 42 mm
Cell Size	156 x 156 mm
Number of cells	48
Cell type	Monocrystalline 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

10 years on product  
**WARRANTY**  
 25 years on rated power\*

## Electrical Data

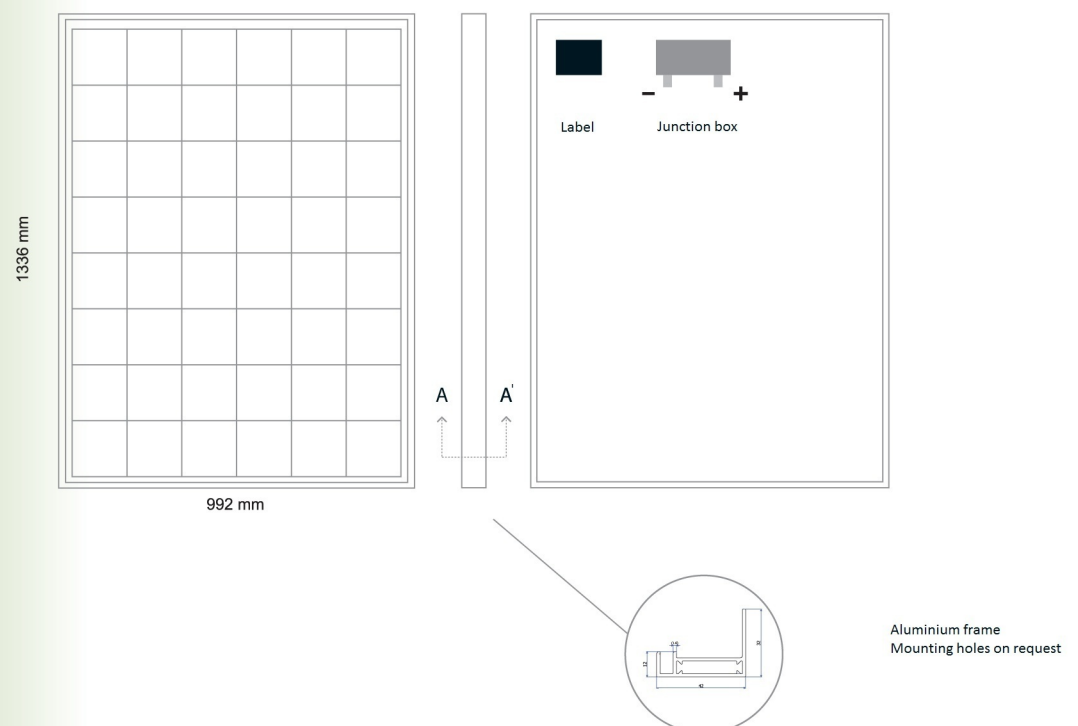
		MCS - 185	MCS - 190	MCS - 195	MCS - 200	
MAX POWER	P <sub>max</sub>	185	190	195	200	Wp
VOLTAGE AT P <sub>max</sub>	V <sub>mp</sub>	23,6	23,8	24,11	24,39	V
CURRENT AT P <sub>max</sub>	I <sub>mp</sub>	7,84	8	8,09	8,21	A
OPEN CIRCUIT VOLTAGE	V <sub>oc</sub>	30,02	30,03	30,16	30,24	V
SHORT CIRCUIT CURRENT	I <sub>sc</sub>	8,32	8,56	8,65	8,68	A
TOLERANCE		+ / - 2	+ / - 2	+ / - 2	+ / - 2	%
SYSTEM MAX VOLTAGE	V <sub>sys</sub>	1000	1000	1000	1000	V
MODULE EFFICIENCY		13,96	14,34	14,72	15,09	%
P <sub>max</sub> TEMPERATURE DEPENDANCE		- 0,45	- 0,45	- 0,45	- 0,45	%°C
V <sub>oc</sub> TEMPERATURE DEPENDANCE		- 0,34	- 0,34	- 0,34	- 0,34	%°C
I <sub>sc</sub> TEMPERATURE DEPENDANCE		0,04	0,04	0,04	0,04	%°C
NOCT		46±2	46±2	46±2	46±2	°C
WEIGHT		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/m<sup>2</sup> irradiation, cell temperature 25 °C.

Note 2: The above values are nominal values.

## MODULE SIZE



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Aluminium frame  
Mounting holes on request