

MCS

60 M



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

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: 1.644 x 992 x 42 mm
Cell Size	156 x 156 mm
Number of cells	60
Cell type	Monocrystalline 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\*



CERTIFICATION : CE, IEC 61215 (TUV), IEC 61730 application Class A (TUV) 1703 fire resistance class C

## Electrical Data

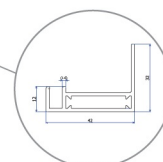
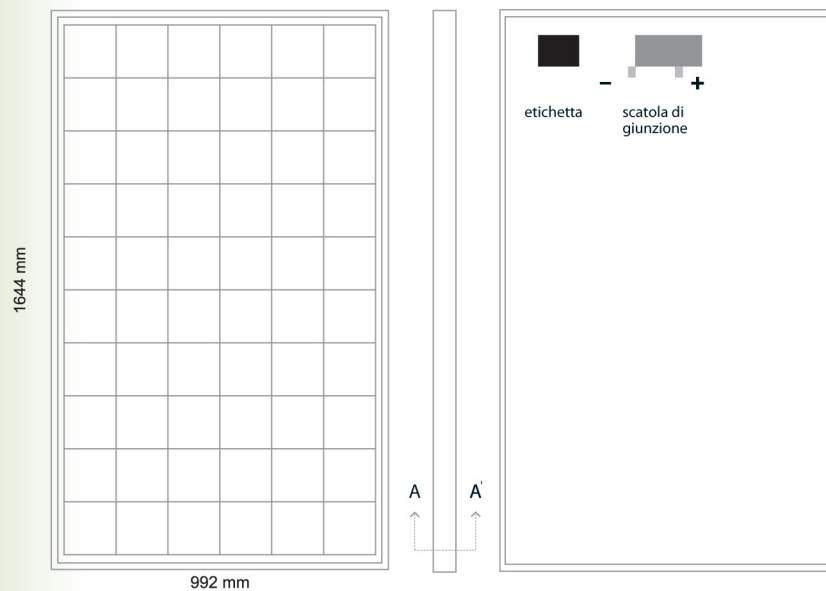
		MCS - 235	MCS - 240	MCS - 245	MCS - 250	
MAX POWER	P <sub>max</sub>	235	240	245	250	Wp
VOLTAGE AT P <sub>max</sub>	V <sub>mp</sub>	29,6	30	30,03	30,05	V
CURRENT AT P <sub>max</sub>	I <sub>mp</sub>	7,95	8	8,09	8,2	A
OPEN CIRCUIT VOLTAGE	V <sub>oc</sub>	37,3	37,5	37,7	37,8	V
SHORT CIRCUIT CURRENT	I <sub>sc</sub>	8,53	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		14,42	14,72	15,03	15,34	%
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		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/m<sup>2</sup> irradiation, cell temperature 25 °C.

Note 2: The above values are nominal values.

## MODULE SIZE



Aluminium frame  
Mounting holes on request

**Mercat Sun S.r.l.**

Piazza De Marinis 12,

80040 Poggiomarino (NA)

P. IVA 05305721218

tel +39 081.5281311

[www.mercatsun.it](http://www.mercatsun.it)

[info@mercatsun.it](mailto:info@mercatsun.it)