

ME SOLAR FLEXIBLE SOLAR MODULES

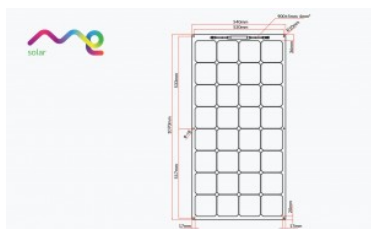
Me Solar flexible solar modules, made with high efficiency monocrystalline cells, ideal for curved roofs and surfaces where bonding is preferable, like recreational vehicles or nautical applications.



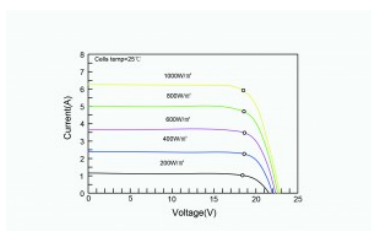
Panel Solar Flexible Me Solar



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Me Solar flexible solar modules are made with SunPower high efficiency **monocrystalline cells**, with a Semi Flexible design makes it ideal for curved roofs and surfaces where bonding is preferable.

An unbreakable plastic film surface makes these panels ideal for mounting on flat or gently curved decks (up to 30 degrees), for use on soft Bimini Tops, hard dodgers, decks, RV roofs and almost any others application. This solar modules is not designed to be walked on.

Me Solar flexible solar modules are made with **high efficiency back contact cells** with an average efficiency of 24,4 %, and a **module efficiency of 30%**, higher than conventional solar panel

With only 3 mm. thick and with no glass or frame, this solar modules are incredibly light weight: 2,18 kgr, making it easier to transport, hang and install. Solar panels have pre-driller eyelets in the corner with Stainless grommets, easy installation, the panel can also be fixed by bolts or screws.

SPECIFICATIONS

	MESFM-110	MESFM-150	MESFM-210
Number of cells	32 (4 x 8)	44 (4 x 11)	60 (6 x 10)
Cell type	SunPower Monocrystalline	SunPower Monocrystalline	SunPower Monocrystalline
Maximum System Voltage	45 Vdc (IEC)	45 Vdc (IEC)	200 Vdc (IEC)

Electrical specifications

*

Nominal Power	Pmax	110 W	150 W	210 W
Power output tolerance		± 3%	± 3%	± 3%
Maximum power voltage	Vmpp	18,60 Vdc	25,5 Vdc	37,2 Vdc
Open Circuit Voltage	Voc	21,90 Vdc	30,1 Vdc	43,8 Vdc
Maximum power current	Impp	5,97 A	5,97 A	5,65 A
Short Circuit Current	Isc	6,32 A	6,32 A	5,98 A

Temperature Ratings

Open circuit voltage coefficient	Tk Voc	-0,27 % / °C	-0,27 % / °C	-0,236 % / °C
Short circuit current coefficient	Tk Isc	0,05 % / °C	0,05 % / °C	0,058 % / °C
Power coefficient	Tk P	-0,38 % / °C	-0,38 % / °C	-0,27 % / °C
Operating Temperature		-40 to +85 °C	-40 to +85 °C	-40 to +85 °C

Other specifications

Dimensions	540 x 1070 x 3 mm	540 x 1760 x 3 mm	1335 x 800 x 3 mm
Weight	2,18 Kgr	2,86 Kgr	4,6 Kgr
Conection box	Juction box with diodes	Juction box with diodes	Juction box with diodes
Cable	900 mm	900 mm	500 mm
Connector	MC4	MC4	MC4
Warranty	Product: 2 years warranty under manufacturing defects	Product: 2 years warranty under manufacturing defects	Product: 2 years warranty under manufacturing defects

* Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

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ME SOLAR 50 W

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