



MOBILE GREEN ENERGY



# M SERIES. PHOTOVOLTAIC GENERATORS

The **M Series** solar power generators are designed to supply clean energy installing the PV modules on a roof or on a ground structure, while the mCUBE M Series box can be located either indoor or outdoor. The main features of the M Series are **power and convenience**. The biggest model hosts 8 KW inverter power and 21,6 KWh energy storage within a total volume less than 1 cubic meter. The M Series generators **maximise the power/price ratio**. Having the possibility of a **hybrid connection with wind turbine generator**, a wide range of optional features and the possibility to set different logics of operation, the M Series models can be **highly customized**.



# TECH SPECIFICATION



**M50**

**M100**

**M200**

**M300**

**M400**

**M600**

<b>PV POWER (W<sub>p</sub>)</b>	500	1000	2000	3000	4000	6000
<b>NUMBER OF PV MODULES</b>	2 X 250 Wp	4 X 250 Wp	8 X 250 Wp	12 X 250 Wp	16 X 250 Wp	24 X 250 Wp
<b>INVERTER POWER (W)</b>	800	1600	3200	4000	6400	8000
<b>BATTERIES (N-V-Ah)</b>	2-12-110	4-6-225	8-6-225	8-12-180	16-6-225	16-6-225
<b>BATTERY CAPACITY (Wh)</b>	2640	5400	10800	17280	21600	21600
<b>CASE DIMENSIONS (cm)/(Kg)</b>	49x49x57/75	49x49x90/130	100x95x102/295	100x95x102/445	100x95x102/550	100x95x102/690
<b>TOTAL WEIGHT (Kg)</b>	120	220	470	710	900	1230

**OPTIONAL**

- \* 21.6kWh enhanced battery
- \* Mounting Systems for PV panels
- \* PV String Combiner Box
- \* DC output 5V/12V/24V/48V
- \* Remote monitoring
- \* AC output 110V/60Hz
- \* Add Wind Turbine Generator

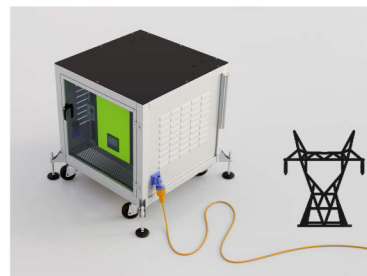
THE MSeries SOLAR GENERATORS ARE KITS READY TO USE. You only have to connect the PV modules!



COMPACT SIZE



MODULAR BATTERY PACK



AUXILIARY POWER



PV MODULES CONNECTION



## BATTERY AUTONOMY

The following chart gives a clear indication of how many working hours are remaining, depending on the power load connected to the cube in the total absence of sunlight.

	<b>M200</b>	<b>M300</b>	<b>M400</b>	<b>M600</b>
<b>POWER (W)</b>	<b>HOURS</b>	<b>HOURS</b>	<b>HOURS</b>	<b>HOURS</b>
100	170,0	270,0	400,0	400,0
500	24,0	38,0	55,0	55,0
1000	10,0	16,0	23,5	23,5
3000	2,6	4,2	6,1	6,1
4000	-	2,8	4,3	4,3
6000	-	-	2,6	2,6
8000	-	-	-	1,8



## DAILY PRODUCTION (kWh/day)

		<b>ROME</b>	<b>JO'BURG</b>	<b>MEXICO CITY</b>	<b>SYDNEY</b>
<b>M200</b>	JANUARY	3,65	10,23	9,60	9,25
	JULY	10,37	6,64	9,66	6,47
	AVG (year)	7,03	8,72	9,96	8,10
<b>M300</b>	JANUARY	5,47	15,35	14,40	13,88
	JULY	15,55	9,96	14,49	9,71
	AVG (year)	10,54	13,08	14,95	12,15
<b>M400</b>	JANUARY	7,30	20,47	19,20	18,51
	JULY	20,74	13,29	19,32	12,94
	AVG (year)	14,05	17,43	19,93	16,20
<b>M600</b>	JANUARY	10,94	30,70	28,80	27,76
	JULY	31,10	19,93	28,97	19,41
	AVG (year)	21,08	26,15	29,89	24,31

