

MARSTEK Power Trolley / Mobile Battery Power Distributor / IP65

Product code: 991712

Your mobile battery power distributor, wherever you need it. Our power distributor on wheels offers a flexible and reliable power supply including emergency power switching. Ideal for rescue operations, events, signalling, construction sites and other mobile uses. The Marstek Power Trolley simplifies your work, is robust, weatherproof, easy to transport and ready for immediate use.

Packing List:

- 1x Marstek Power Trolley
- 1x Power cable Switzerland
- 2x AC Terminals
- 2x PV Connectors negativ with Pinconnector
- 2x PV Connectors positiv with Pinconnector
- 1x User Manual



1. Product Description

Item	Parameter	Modell M5000
1	International Protection	IP65 (Outdoor)
2	Cooling Strategy	Natural Convection
3	Standby Power	<2W (Work) / <5mW (Sleep)
4	Dimension (with base)	722*399*809mm (L*B*H)
5	Weight	91 kg
6	Altitude	≤2000m
7	Operating Temperature	0°C~50°C
8	Storage Humidity	5%~95%
9	Lifespan	10+ years (55°C / 77°F)
10	Certificate	IEC 62109/1EC 62040
11	EMC	EN61000-6-1/-2/-3/-4
12	Grid Regulation	AS4777.2/CEIO-21/G99/G100/NRS097/EN50549/PEA

2. Performance and Parameters

Item	DC Input	Modell M5000
1	Max. Input Power	7.0 kW
2	Max. Input Current	14A/14A
3	Max PV Voltage	550V
4	MPPT Range/Nominal	125V~500V/360V
5	MPPT Tracker / Strings	2/1

Item	AC Output	Modell M5000
1	Rated Power	5.0 kW
2	Max. Output Current	21.7 A
3	Nominal Voltage/Range	230V/176V~270V
4	Frequency	50/60Hz
5	Power Factor (PF)	0.99(Leading~0.99 Lagging
6	THDI	<3%
7	AC Output Topology	L+N+PE

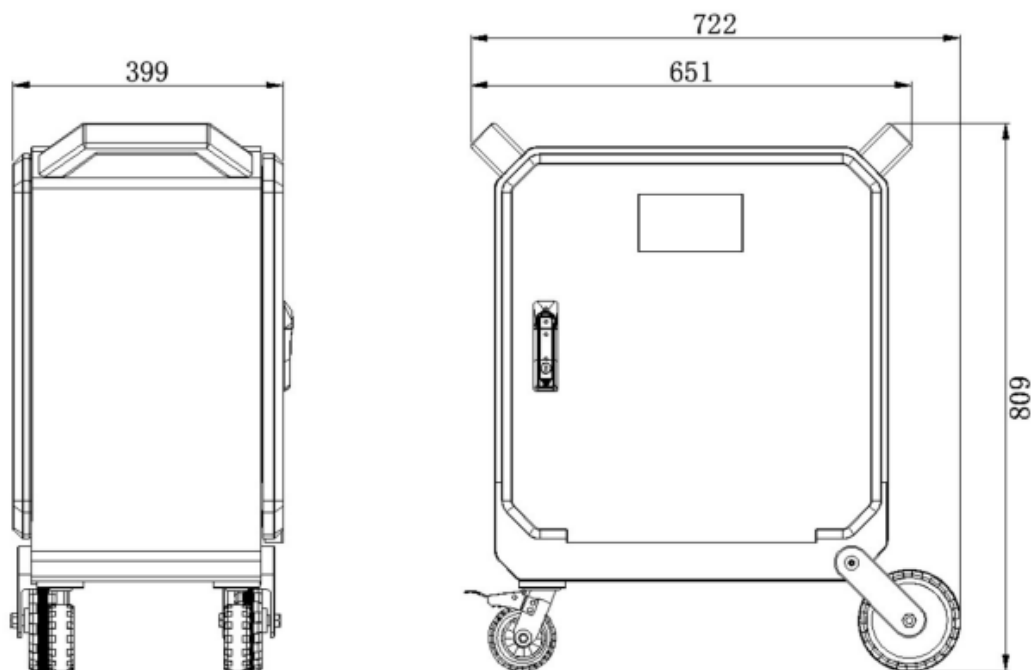
Item	Conversion Efficiency	Modell M5000
1	DC Max. Efficiency	97.6%
2	Euro Efficiency	97%
3	MPPT Efficiency	99.9%

Item	EPS Output	Modell M5000
1	Rated Power	5.0 kW
2	Rated Current	21.7A
3	Rated Voltage	230Vac
4	Rated Frequency	50Hz
5	THDU	<2%
6	Parallel Operation	Yes
7	Automatic switchover time	<20ms

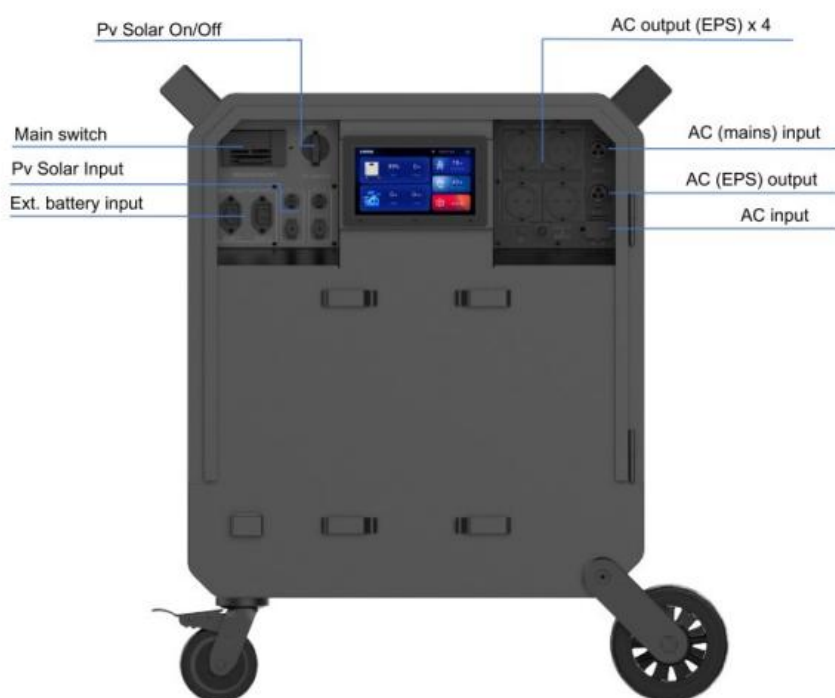
Item	Battery Specification	Modell M5000
1	Battery Voltage Range	44V~58.4V
2	Max. Charging Voltage	58V
3	Charge/Discharge Current	95A/104.2A
4	Battery Type	LiFeO4
5	Life Cycle (Times)	>6000(25°C)
6	Single Module Capacity	5120Wh
7	DoD	95%

Item	Display	Modell M5000
1	Size (inch)	7.0
2	Pixels resolution	1024*600
3	Colors	16.7M
4	Type	IPS-TFT-LCD, Capacitive touch screen
5	Communication	Touch pane

3. Dimensions



4. Port Definition



MARSTEK Modell M5000		
Input	PV(MPPT Solar)	7000W Max(500V/14A) for 2 strings in total
	AC#1(Grid)	2000W Max(220~240V@50Hz/60Hz)
	AC#2(Grid)	5000W Max(220~240V@50Hz/60Hz)
Output	AC#2(Grid)	5000W Max(230V@50Hz)
	AC#3(EPS)	5000W Max(230V@50Hz) Automatic Switch over Time < 20ms
	AC#4(EPS)	2000W Max for each(230V@50Hz) Total 5000W for 4 sockets

5. Important Information

- Operating Temperature between 0°C~50°C
- Do not place in direct sunlight at very high temperatures
- Avoid placing near fire
- Do not immerse in water
- When using inverters, use officially certified devices
- Do not use nails or other sharp objects to pierce the power supply unit, do not hammer or kick the power supply unit
- Do not disassemble the power supply unit in any way
- If the power supply unit has a strange odour, heat, deformation, discolouration or any other unusual appearance, it must not be used
- If the power supply unit is leaking or emitting an odour, it must not be used
- If the device is not used for a long period of time, store it in a cool and dry place and charge and discharge it every 3~6 months. Otherwise, the performance of the power supply unit will be impaired and its service life will be shortened.