



# PowerMove

Portable 230V generator with Lithium-Ion battery



## PowerMove® : Mobile energy system for AC appliances

PowerMove® is an ideal and practical solution to benefit from an AC power source **whenever you are**. Thanks to its embedded **Lithium-Ion** battery, this device is very **lightweight** and fully **secured** for daily practical use. PowerMove can be charged from AC grid or directly with PV system.



PowerMove is a great device for off-grid or weak grid applications : you can easily provide AC and DC power on a location where electricity is mission critical.

### Key features :

- **2 power levels available (500W and 1000W)**
- **Ease of transport and deployment**
- **Charge from PV panel or AC grid**
- **3 power sources available : 230V AC, 12V DC and 5V DC**
- **Embedded Lithium-Ion battery fully secured by BMS**
- **High efficiency pure sine inverter (>85%)**
- **LiFePO<sub>4</sub> battery for long lifecycle**
- **Lightweight and small footprint for easy transportation**

Further information at : [www.powertechsystems.eu](http://www.powertechsystems.eu)  
or contact our commercial office :  
**+33 954 051 619** or [info@powertechsystems.eu](mailto:info@powertechsystems.eu)

### Wide range of applications



500W model



1000W model

### PowerMove is provided with AC-Charger

Name	Specification	Notes	Image
Li-ion battery charger	<ul style="list-style-type: none"> <li>• 90V~240VAC</li> <li>• 50Hz/60Hz</li> <li>• 14.6VDC 5A</li> </ul>	Used to charge PowerMove	

### Accessories (optional)

USB extension wire	10 in 1	Used to charge small electronic appliances	
Photovoltaic connector	MC4 type	Used for connection with solar panel	
Light cable and bulb	10m cable 3 W bulb	Lightning	
Solar panel	<ul style="list-style-type: none"> <li>• 18V 100W Mono-crystalline</li> <li>• 36V 200W Poly-crystalline</li> </ul>	PowerMove PV charge	

### APPLICATIONS

- **Fairs and exhibitions**
- **Outdoor events**
- **Disaster relief camp**
- **Camping**
- **Lightning**
- **Cash register, payment terminal**
- **Computer, office equipment**
- **Power tools**
- **Mobile phone charge station**
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Model	PMOV-500	PMOV-1000
<b>System Specification</b>		
Rated Output Power	500 W	1000 W
Rated energy	640 Wh	1 280 Wh
AC Output	1x 230V/50Hz	2x 230V/50Hz
AC Output Socket	European / French / German	European / French / German
DC Output	1x 5V USB (500mA) 3x 12V (3A)	2x 5V USB (500mA) 2x 12V (3A)
Output waveform	Pure sine wave inverter	Pure sine wave inverter
Conversion efficiency	>85%	>85%
Battery capacity	12V, 50Ah (Lithium Ion)	24V, 50Ah (Lithium-Ion)
Battery chemistry	Lithium Iron Phosphate (LiFePO <sub>4</sub> )	Lithium Iron Phosphate (LiFePO <sub>4</sub> )
Solar charge controller	12V 5A	24V 20A
Solar charging time	10 hours(effective sunlight)	3 hours(effective sunlight)
Solar panel connector	MC4	MC4
Overload Protection	Yes	Yes
Under-voltage Alarm	Yes	Yes
Overheat Protection	Yes	Yes
Short-circuit Protection	Yes	Yes
Battery Power Indicator	Yes	Yes
External Battery Charger	Yes	Yes
Certificate	CE & RoHS	CE & RoHS

## Mechanical Data

Handling	1 handle	2 handles + 2 wheels
Dimensions (mm)	L375 x W150 x H320	L450 x W230 x H430
Net Weight (kg)	11.7	28.6
Appearance Color	White + Green	White + Green
Dimensions of Solar Panel (mm)	L640*W540*H30*2	
Net Weight of Solar Panel (kg)	4.5*2	4.5*2



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