

Copy of 1460 Wh Construction Site Lighting Power Case



Power Case portable 1,461 Wh: A self-contained power supply for Luccia light balloons

The **power case portable 1,461 Wh**, distributed by **MMF Protection et Sécurité**, provides a standalone, portable, and quiet 220 V power source. In particular, it is a solution that is especially well-suited for powering **Luccia light balloons** during operations, night work, or at sites without a power supply.

Its battery of **1,461 Wh** delivers an output power of **1,500 VA**, with a peak power of up to **3,000 VA**. Unlike a thermal generator, it operates without an engine and can therefore be used in situations where noise and emissions must be kept to a minimum.

A 220 V pure sine wave power supply for professional equipment

The suitcase features **2 220 V AC – 50 Hz outlets with pure sine wave**. This type of current is used to power electrical and electronic equipment that requires a stable power supply.

It can therefore be used to power a light ball that illuminates Luccia, as well as various pieces of equipment used on a construction site, during an emergency response, a maintenance operation, or at a remote location.

The Main Benefits of the 1,461 Wh Power Case

1. Power designed for professional equipment

- Output power: **1,500 VA**.
- Peak power: **3,000 VA**.
- 2 220 V AC – 50 Hz outlets at **pure sine wave**.

2. Several options available

- **2 220-volt outlets** for electrical equipment.
- **3 USB ports (5 V / 2 A)** for compatible devices.
- **2 12 V / 10 A outputs** for low-voltage equipment.
- Built-in LED lighting from **2 × 1 W**.

3. A 1,461 Wh NMC battery

- Battery **25.9 V / 58 Ah**.
- Technology **NMC**.
- Electronic battery management via BMS.
- Built-in display that shows key operating information and remaining battery life.

4. Three charging options

- Recharge at **220 V power supply** with the included 29.4 V / 15 A charger.
- Charging time when plugged into a power outlet: **less than 4 hours**.
- Recharge from a **12- to 24-V cigarette lighter socket**, with a charging power of 100 W.
- Can be recharged via **24 V / 20 A solar panel**, for a voltage range of 29.4 to 40 V.
- Special solar connection cable included.

5. A portable, easily transportable power source

- Dimensions: **352 × 187 × 260 mm**.
- Weight: **12.6 kg**.
- Built-in handle for easy transport between different work areas.

A solution particularly well-suited for mobile lighting

Combined with a **Luccia Light Balloon**, the case allows you to set up a self-contained lighting system that can be quickly installed in an area without access to the power grid.

This setup is particularly useful when powerful lighting is needed without having to install a generator in the immediate vicinity of personnel or the work area.

Business Applications

The 1,461 Wh power case can be used in many situations that require an off-grid power source:

- **Emergency and Response Services** : Powering temporary lighting in a work area.
- **Construction and Public Works** : Lighting for work areas without electrical outlets.
- **Industrial Maintenance** : temporary power supply for electrical or electronic equipment.
- **Events** : Installation of self-contained lighting in outdoor areas.
- **Remote locations** : Temporary power supply when no outlet is available.
- **Emergency Vehicles** : a portable power source that can be carried along with the equipment.

Battery Management and Protection via BMS

The battery is equipped with a **BMS (Building Management System)** designed to monitor its operation and protect the equipment from various abnormal conditions.

- Protection against **short circuits**.
- Protection against **surcharges**.

- Protection against **deep discharges**.
- Protection against high temperatures exceeding **65 °C**.

A control panel for monitoring consumption

The built-in display provides real-time information essential for managing available energy. In particular, it allows you to view the **battery level, power consumption, charge and discharge values, voltage, frequency, and remaining runtime**.

Separate controls allow you to activate the USB and 12-volt outputs, as well as the 220-volt outlets, depending on which devices are actually in use.

Charging via AC outlet, vehicle, or solar power

The ability to use multiple charging sources makes this case even more appealing for mobile applications. At a base or in a workshop, it can be charged from a wall outlet in less than 4 hours. While on the go, it can be plugged into a 12- or 24-volt cigarette lighter outlet.

For more self-sufficient systems, charging from a **compatible solar panel** is also provided for. This feature makes it possible to use the case at locations far from the power grid during extended operations.

Technical Specifications

	1,461 Wh
	25.9 V – 58 Ah
	NMC
	1,500 VA
	3,000 VA
	2 220 V AC outlets – 50 Hz – pure sine wave
	3 × USB 5 V / 2 A
	2 × 12 V / 10 A
	2 × 1 W LEDs
	220 V AC with a 29.4 V / 15 A charger
	Less than 4 hours
	12 to 24 V – 100 W
	24 V / 20 A panel – range: 29.4 to 40 V
	-20 °C to +60 °C
	0 °C to +45 °C
	352 × 187 × 260 mm

Weight	12.6 kg
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A self-contained power source for your lighting equipment

Thanks to its quiet operation, 1,500 VA power output, and various charging modes, the **power case portable 1,461 Wh** is a suitable solution for professionals looking for an easily portable power source for their lighting equipment and electrical devices.

In conjunction with the **Luccia light balloons**, it provides a self-contained system that is particularly well-suited for emergency response, construction sites, maintenance operations, and work carried out at night or in areas without a mains power supply.