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DJI DYM1000L

DJI Power 1000 Portable Power Station User Manual

Model: DYM1000L | Brand: DJI

Introduction

The DJI Power 1000 is a portable power station designed to provide reliable and efficient power for various applications, including outdoor activities, content creation, and emergency backup. Featuring a 1024Wh capacity, LiFePO4 cells, and a 2200W max continuous output, it offers fast charging capabilities for a wide range of devices, including DJI drones.



Figure 1: DJI Power 1000 Portable Power Station with included Mavic 3 charging cable.

1. Setup

1.1 Unboxing and Initial Inspection

Upon receiving your DJI Power 1000, carefully unpack all components. The DJI Power 1000 unit, AC Power Cable, and the DJI Power SDC to DJI Mavic 3 Series Fast Charge Cable are included. Note that some accessories, such as solar panels or additional SDC cables, may be shipped separately.



Figure 2: Included items: DJI Power 1000, AC Power Cable, and DJI Power SDC to DJI Mavic 3 Series Fast Charge Cable.

1.2 Powering On/Off

To power on or off the DJI Power 1000, press and hold the power button located on the top panel for more than two seconds. The display screen will automatically turn on after powering on.

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Video 1: Demonstrates the initial power-on sequence of the DJI Power 1000, showing the power button location and display activation.

1.3 Display Screen Operation

Once the power station is on, press the power button once to toggle the display screen on or off. This allows you to conserve power when the display is not needed.

2. Operating Instructions

2.1 AC Output Ports

The DJI Power 1000 is equipped with two AC output ports. After powering on the unit, connect your external device to an AC output port. Press the AC output button once to enable AC power supply. The AC output indicators will illuminate. For continuous power supply to devices that operate intermittently (e.g., a refrigerator), press and hold the AC output button for more than two seconds. The AC output indicators will show a solid light, indicating continuous power mode.



Figure 3: The DJI Power 1000 can power high-wattage appliances, demonstrating its stable 2200W output.

2.2 USB-A and USB-C Ports

The power station features two USB-A ports and two USB-C ports for charging mobile phones, laptops, and other digital devices. Simply connect your device to the appropriate USB port after powering on the unit.



Figure 4: Overview of the various input and output ports available on the DJI Power 1000.

2.3 SDC and SDC Lite Ports

The DJI Power 1000 includes SDC and SDC Lite ports, offering versatile power supply extensions for various accessories. These ports are particularly useful for fast charging select DJI drone batteries, such as those from the Mavic 3 series, using the dedicated fast charge cable.

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Video 2: Demonstrates the use of SDC and SDC Lite ports for connecting various accessories and charging devices.

2.4 Recharging Methods

The DJI Power 1000 supports multiple recharging methods:

1. Recharging via the AC input port using the provided AC Power Cable.
2. Recharging with solar power via the DJI Power Solar Panel Adapter Module (MPPT) and compatible solar panels (sold separately).

3. Recharging with a car power outlet via the DJI Power Car Power Outlet to SDC Power Cable (12V/24V) (sold separately).

The fastest recharging method is through the AC input port, allowing a full recharge in approximately 70 minutes (0% to 100%).



Figure 5: Overview of fast recharging times for grid power and solar power.

Recharge Modes: Fast vs. Standard

The DJI Power 1000 offers two recharge modes for AC charging:

- **Fast Recharge Mode:** Has a higher recharge power, enabling quick full charging (0-80% in 50 mins, 0-100% in 70 mins). Ideal for urgent recharging needs.
- **Standard Recharge Mode:** Power is lower, and operation noise is lower (0-100% in 120 mins). Suitable for daily and nighttime recharging.

To switch between recharge modes, toggle the recharge mode switch located near the AC input port.

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Video 3: Explains how to switch between fast and standard recharge modes for optimal charging.

3. Maintenance

3.1 Battery Cell Life Protection

The DJI Power 1000 features an LFP battery with up to 4000 cycles, providing an approximate 10-year lifespan. To extend battery life and enhance user experience, it is recommended to use the standard recharge mode for AC charging when urgent recharging is not required.

The power station incorporates a battery cell life protection strategy: if the power station is recharged in fast recharge mode for five consecutive cycles, it will automatically switch to standard recharge mode after the sixth fast recharging for battery maintenance. This maintenance process typically lasts approximately 20 minutes.



Figure 6: Key safety and longevity features, including 4000-cycle LFP cells and SGS certification.

3.2 General Care

- Keep the power station clean and dry. Avoid exposure to water or excessive humidity.
- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- Regularly inspect ports and cables for any signs of damage.

4. Troubleshooting

4.1 AC Output Automatically Shuts Down

The AC output will automatically shut down to save electricity if the power station is not charging any device via the AC output ports within half an hour. If continuous power is needed, refer to section 2.1 on how to enable continuous AC power supply.

4.2 Power Station Not Charging

- Ensure the AC power cable is securely connected to both the power station and the wall outlet.
- Verify that the recharge mode switch is set correctly (Fast or Standard).
- If using solar panels, ensure they are properly connected via the DJI Power Solar Panel Adapter Module (MPPT) and are receiving sufficient sunlight.

4.3 Unusual Noise During Operation

The DJI Power 1000 is designed for ultra-quiet operation (as low as 23 dB during recharging). If you notice unusual or excessive noise, ensure the ventilation vents are not obstructed and the unit is placed on a stable surface. If the noise persists, contact DJI support.

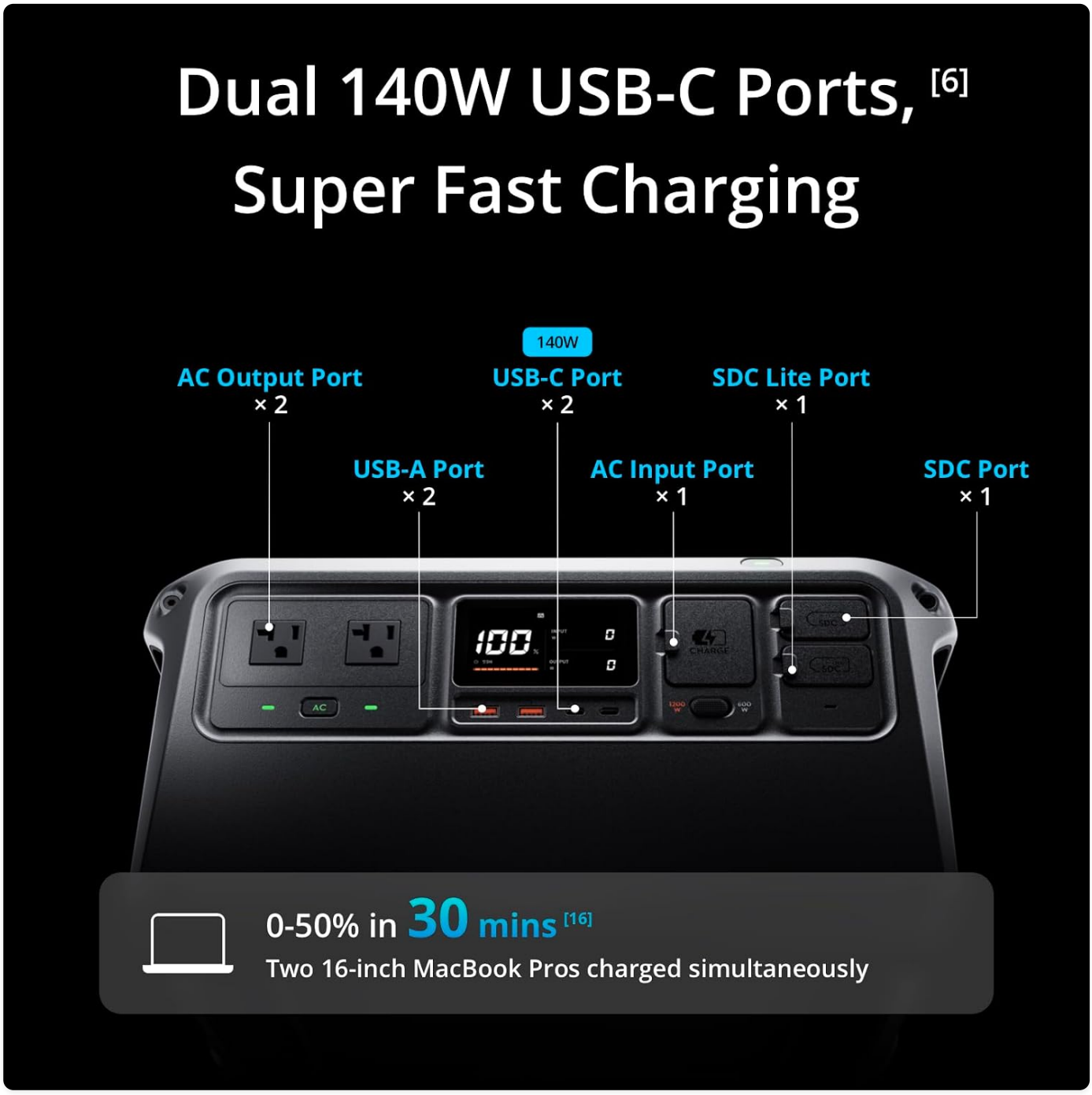


Figure 7: Noise level comparison, illustrating the ultra-quiet operation of the DJI Power 1000.

5. Specifications

Feature	Specification
Brand	DJI
Model Name	DYM1000L
Capacity	1024Wh
Max Continuous Output	2200W
Peak Output	2600W

Battery Type	LiFePO4 Cell
Battery Cycles	Up to 4000 cycles (approx. 10-year lifespan)
AC Input Voltage	220-240V AC 50/60Hz
Fast Grid Recharge (0-100%)	70 minutes
Fast Solar Recharge (0-100%)	1.35 hours (with 800W max input)
USB-C Output	Dual 140W Max
USB-A Output	24W Max
Noise Level	As low as 23 dB during recharging
Dimensions (L x W x H)	37.1"L x 10.2"W x 10.3"H
Item Weight	33 Pounds

Which is the Best for You?

	Currently browsing  DJI Power 1000	 DJI Power 500
Recommended Scenarios	All scenarios from long-distance travel, content creation, home backup battery, to outdoor work	Camping, content creation, home backup battery
Capacity	1024 Wh	512 Wh
AC Port Max Output Power	2600 W	1000 W
Weight	Approx. 13 kg	Approx. 7.3 kg
Ports	140W USB-C Port × 2 24W USB-A Port × 2 SDC Port × 1 SDC Lite Port × 1 AC Output Port × 2 AC Input Port × 1	100W USB-C Two-Way Port × 2 24W USB-A Port × 2 / SDC Lite Port × 1 AC Output Port × 2 AC Input Port × 1
USB-C Port Max Output Power	140 W	100 W

Figure 8: Detailed comparison of DJI Power 1000 and DJI Power 500 specifications.

6. Warranty Information

DJI Power 1000 units come with a standard three-year warranty. This warranty can be extended by an additional two years, providing up to 5 years of total coverage, upon product registration. Please refer to the official DJI website for detailed warranty terms and conditions and registration procedures.

7. Support

For further assistance, technical support, or to purchase additional accessories, please visit the official DJI website or contact DJI customer service. DJI is committed to providing world-class after-sales support to ensure a seamless user experience.

Visit the Official DJI Store

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