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› Philips 300W/296Wh Portable Power Station DLP8091C User Manual

Philips DLP8091C

Philips 300W/296Wh Portable Power Station DLP8091C User Manual

Model: DLP8091C

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Philips 300W/296Wh Portable Power Station, model DLP8091C. Please read this manual thoroughly before using the product and retain it for future reference.

2. SAFETY INFORMATION

Your Philips Portable Power Station is designed with safety in mind, incorporating a Battery Management System (BMS) and PSE certification. Adhere to the following safety guidelines:

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Ensure proper ventilation during use and charging. The internal cooling fan activates automatically if the ambient temperature exceeds 40°C or total output exceeds 120W.
- Avoid dropping, puncturing, or disassembling the unit.
- Keep away from children and pets.
- Use only approved charging accessories.
- In case of malfunction or damage, do not attempt repairs. Contact customer support.
- The integrated BMS protects against overcharge, over-discharge, over-current, over-voltage, over-temperature, and short circuits.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- Philips Portable Power Station (DLP8091C)
- AC Adapter
- Cigarette Socket Cable

- User Manual

パッケージ内容



ポータブル電源本体



ACアダプター



シガーソケットケーブル



取扱説明書

Figure 3.1: Included accessories with the Philips Portable Power Station.

4. PRODUCT OVERVIEW

The Philips DLP8091C Portable Power Station features a 296Wh (14.8V equivalent) capacity and a maximum instantaneous output of 600W. It utilizes high-quality ternary lithium batteries known for their high energy density, lightweight design, and excellent low-temperature performance.

4.1. Key Features

- **High-Quality Ternary Lithium Battery:** Offers high energy density, lightweight design, high constant current ratio, and good low-temperature resistance (approx. 70% discharge at -20°C). Features low self-discharge and extended lifespan.
- **Versatile Output Ports:** Equipped with 9 output ports for simultaneous charging of various devices.
- **Multiple Charging Methods:** Supports 5 different ways to recharge the power station.
- **Clear LCD Display:** Provides real-time information on charging status, output types, battery level, and warnings.
- **Lightweight and Portable Design:** Weighs only 3.4kg with a retractable handle for easy transport and storage.
- **Advanced Safety System:** PSE certified and features a comprehensive Battery Management System (BMS) for protection against various electrical hazards.

4.2. Component Identification

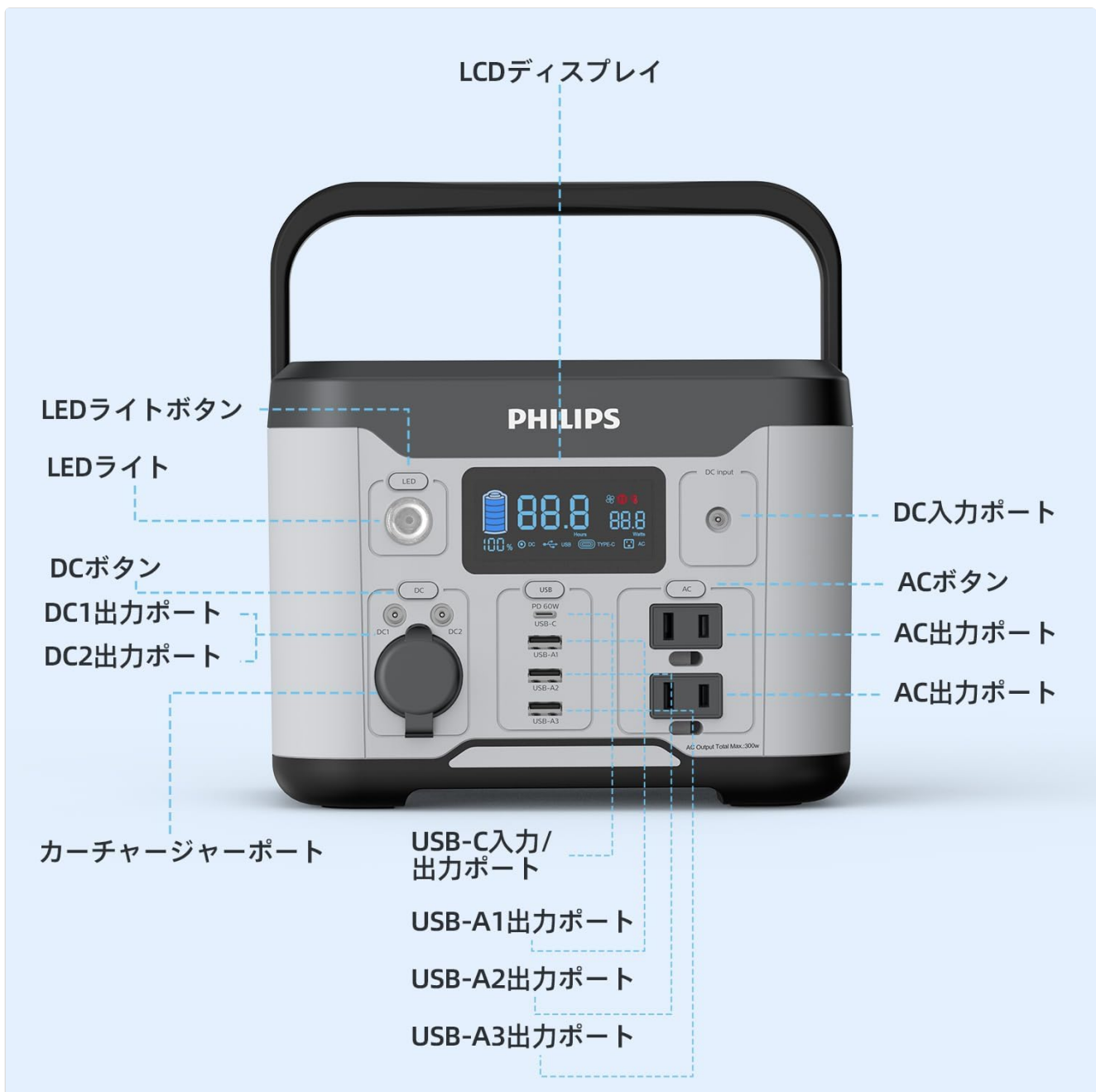


Figure 4.1: Front panel and port layout of the DLP8091C.

1. LED Light Button
2. LED Light
3. DC Button
4. DC1 Output Port
5. DC2 Output Port
6. Car Charger Port
7. USB-C Input/Output Port (PD 60W)
8. USB-A1 Output Port
9. USB-A2 Output Port
10. USB-A3 Output Port
11. AC Button
12. AC Output Ports (x2)
13. DC Input Port
14. LCD Display

5. SETUP

Before first use, fully charge the power station. This ensures optimal battery performance and extends its lifespan.

5.1. Initial Charging

1. Connect the provided AC adapter to the DC Input Port on the power station.
2. Plug the AC adapter into a wall outlet.
3. The LCD display will show the charging status. Charge until the battery indicator shows 100%.

For faster charging, you can simultaneously connect a PD 60W USB-C charger (not included) to the USB-C Input/Output Port along with the AC adapter. This can reduce charging time to approximately 3 hours.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off

- To power on the unit, press and hold the main power button (usually located near the LCD display) for a few seconds.
- To power off, press and hold the main power button again.

6.2. Using AC Output

1. Press the "AC Button" to activate the AC output ports. The AC icon will appear on the LCD display.
2. Plug your AC-powered devices into the AC Output Ports.
3. Ensure the total power consumption of your devices does not exceed 300W (600W instantaneous peak).
4. After use, press the "AC Button" again to turn off AC output and conserve battery.

6.3. Using DC Output (12V)

1. Press the "DC Button" to activate the DC output ports. The DC icon will appear on the LCD display.
2. Connect your 12V DC devices to the DC1 or DC2 Output Ports, or the Car Charger Port.
3. After use, press the "DC Button" again to turn off DC output.

6.4. Using USB Output

- The USB-A and USB-C ports are typically active when the unit is powered on.
- Connect your USB-powered devices to the USB-A1, USB-A2, USB-A3, or USB-C Input/Output Port.
- The USB-C port supports Power Delivery (PD) up to 60W for fast charging compatible devices.

6.5. LED Light Function

- Press the "LED Light Button" once to turn on the LED light (low brightness).
- Press again for high brightness.
- Press a third time for SOS mode (flashing).
- Press a fourth time to turn off the LED light.

コンパクト&収納式ハンドル付き

片手で簡単に持ち運べる収納式ハンドルが付いており、使わない時は収納でき、場所をとりません。

重量：3.4Kg

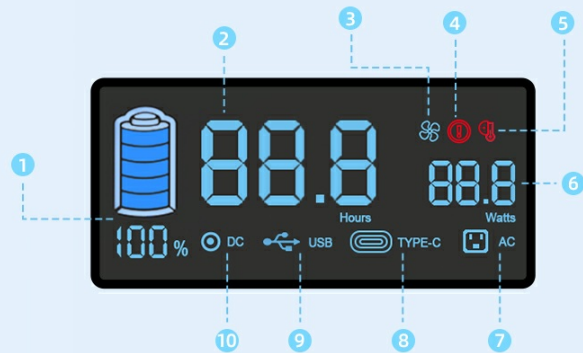


Figure 6.1: LED light modes and operation.

6.6. LCD Display Information

The multi-functional LCD display provides critical information at a glance:

一目瞭然のLCDディスプレイ



- | | | | | |
|-----------|--------------------|---------------|---------|----------|
| 1 バッテリー残量 | 2 充電残量時間/使用可能時間の目安 | 3 冷却ファン作動 | 4 過負荷警告 | 5 危険温度警告 |
| 6 合計出力電力 | 7 AC出力 | 8 TYPE-C入力/出力 | 9 USB出力 | 10 DC出力 |

Figure 6.2: LCD display indicators.

- **Battery Remaining:** Percentage of charge left.
- **Charging Remaining Time / Estimated Usage Time:** Indicates how long until fully charged or depleted.
- **Cooling Fan Operation:** Icon indicates when the internal fan is active.
- **Overload Warning:** Alerts if connected devices exceed the power station's capacity.
- **High Temperature Warning:** Indicates if the unit is overheating.
- **Total Output Power:** Displays the current power draw in Watts.
- **AC Output Indicator:** Shows when AC output is active.
- **Type-C Input/Output Indicator:** Shows when USB-C is in use.
- **USB Output Indicator:** Shows when USB-A ports are in use.
- **DC Output Indicator:** Shows when DC output is active.

7. CHARGING METHODS

The Philips DLP8091C offers five flexible ways to recharge:

- **AC Adapter:** Approximately 6 hours for a full charge.
- **PD 60W USB-C:** Approximately 6 hours for a full charge.
- **AC Adapter + PD 60W USB-C (Fast Charge):** Approximately 3 hours for a full charge.
- **Car Cigarette Socket:** Approximately 9-10 hours for a full charge.
- **Solar Panel (Sold Separately):** Charging time varies based on sunlight intensity and panel wattage.

五つ充電方法に対応

ACアダプター、シガーソケット、ソーラーパネルなど複数の充電方式に対応可能。
ACアダプターとUSB-Cで同時に充電し、3時間の急速フル充電が実現します。



60Wソーラーパネル(別売り)
約10時間



ACアダプター
約6時間



60W USB-C
約6時間



シガーソケット
約9-10時間



ACアダプター+60W USB-C
約3時間

Figure 7.1: Different ways to charge your power station.

For environmental reasons, charging via solar panel (renewable energy) is recommended whenever possible.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power station.

- **Cleaning:** Use a dry, soft cloth to clean the exterior. Do not use abrasive cleaners or immerse in water.
- **Storage:** Store in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the unit to 50-80% every 3-6 months to preserve battery health.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge promptly after use.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris.

9. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely depleted.	Connect to an AC adapter or USB-C charger and allow it to charge for a few minutes before attempting to power on.
No output from AC ports.	AC output not activated; device overload; unit overheating.	Press the AC button to activate. Reduce the load if an overload warning is displayed. Allow the unit to cool down if a high-temperature warning is active.
Slow charging.	Using a single charging method; low power source.	Use both AC adapter and USB-C simultaneously for faster charging. Ensure the power source is adequate.
LCD display shows a warning.	Overload, high temperature, or other system error.	Refer to the LCD Display Information section (6.6) to identify the specific warning and take appropriate action. Disconnect devices if an overload or high-temperature warning is present.

If the problem persists, please contact Philips customer support.

10. SPECIFICATIONS

Feature	Detail
Model	DLP8091C
Brand	PHILIPS
Battery Capacity	296Wh (14.8V equivalent)
Battery Type	Ternary Lithium Ion
AC Output	300W (Pure Sine Wave, 600W Peak) x 2 ports
DC Output	DC5521 x 2 ports, Car Charger x 1 port
USB-A Output	x 3 ports
USB-C Input/Output	PD 60W x 1 port
Total Output Ports	9
Charging Methods	AC Adapter, USB-C PD 60W, Car Socket, Solar Panel (sold separately)
Dimensions (L x W x H)	21.5 cm x 16 cm x 16.3 cm
Weight	3.4 kg
Safety Features	BMS (Overcharge, Over-discharge, Over-current, Over-voltage, Over-temperature, Short Circuit Protection), PSE Certified, Cooling Fan
Compatible Devices	Smartphones, Laptops, Tablets, Lighting, Fans, Electric Blankets, Projectors, Speakers, Cameras, Drones

11. WARRANTY AND SUPPORT

11.1. Warranty Information

All Philips products sold by authorized retailers are genuine and new. The warranty period for this product is **one year from the date of purchase**.

During the warranty period, free product exchange will be provided for malfunctions under normal use. This warranty does not cover malfunctions caused by intentional acts or negligence by the customer.

Important Note: If the product arrives damaged or scratched during delivery, please contact customer support immediately for a free exchange.

11.2. Customer Support

For any questions, technical assistance, or warranty claims, please contact Philips customer support through your point of purchase or visit the official Philips support website.