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vhbw Flyer C2 Premium

vhbw Compatible Battery for Panasonic Flyer E-Bike - Instruction Manual

Model: Flyer C2 Premium and compatible series

1. Introduction

This manual provides essential information for the safe and effective use of your vhbw compatible Li-Ion battery, designed for Panasonic Flyer C2, C2 Premium, C4, C4 Premium, and C5 E-Bikes. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your battery.





Figure 1: Overview of the vhbw compatible E-Bike battery.

2. Safety Instructions

Your safety is paramount. Please adhere to the following safety guidelines:

- **Charging:** Only use chargers compatible with Li-Ion batteries and specifically designed for your E-Bike battery. Do not use damaged chargers.
- **Temperature:** Do not expose the battery to extreme temperatures (above 60°C or below -10°C). Avoid direct sunlight and heat sources.
- **Physical Damage:** Do not drop, puncture, or disassemble the battery. If the battery is damaged, discontinue use immediately.
- **Water Exposure:** Keep the battery dry. Do not immerse it in water or expose it to heavy rain.
- **Storage:** Store the battery in a cool, dry place, away from flammable materials. For long-term storage, ensure the battery is partially charged (around 50-70%).

- **Protection Features:** This battery is equipped with protection against short circuits, overheating, and overvoltage. However, always handle with care.



Figure 2: The vhbw battery features built-in protection against short circuit, overheating, and overvoltage.

3. Product Overview

The vhbw compatible battery is a high-performance Li-Ion replacement designed to seamlessly integrate with your Panasonic Flyer E-Bike. It offers a capacity of 15600 mAh and a voltage of 25.2 V, providing reliable power for extended rides.

- **High Capacity:** 15600 mAh for extended range.
- **Reliable Power:** 25.2 V output, 393.12 Wh energy.
- **Li-Ion Technology:** Modern cells for efficient charging and discharge.
- **Compatibility:** 100% compatible with Panasonic Flyer C2, C2 Premium, C4, C4 Premium, C5 E-Bikes. Replaces original battery models NKY190B02, NKY224B02, NKY226B02, NKY252B02, NKY266B02, NKY281B2, NKY304B2,

NKY314B2, NKY335B2, NKY374B2.



Figure 3: The vhbw battery ensures 100% compatibility with your E-Bike.



Figure 4: Key performance features of the vhbw battery, including high autonomy and reliable power.

4. Setup (Installation)

Installing the vhbw compatible battery is straightforward. Ensure your E-Bike is turned off before proceeding.

1. **Remove Old Battery:** Locate the battery compartment on your Panasonic Flyer E-Bike. Depending on your model, you may need to unlock it with a key and slide the old battery out.
2. **Insert New Battery:** Carefully slide the vhbw compatible battery into the battery compartment. Ensure it clicks securely into place.
3. **Lock Battery:** If your E-Bike has a locking mechanism, secure the battery in place with the key.
4. **Initial Charge:** It is recommended to fully charge the battery before its first use.



Figure 5: The battery's design ensures perfect compatibility and easy installation.

5. Operating the Battery

Once installed, operating your vhbw battery is simple.

- **Charging:** Connect your compatible E-Bike charger to the battery's charging port. The battery's indicator lights will show the charging status. A full charge typically takes several hours.
- **Charge Level Indicator:** The battery features an integrated charge level indicator (LEDs) to show the remaining power. Press the 'PUSH' button next to the indicator to check the current charge level.
- **Usage:** The battery powers your E-Bike's motor and electronics. Use your E-Bike as normal, monitoring the charge level to avoid unexpected power loss.



Figure 6: The battery utilizes modern Li-Ion cells for efficient and easy charging.

6. Maintenance

Proper maintenance extends the life of your battery.

- **Regular Cleaning:** Keep the battery and its contacts clean and dry. Use a soft, dry cloth.
- **Avoid Deep Discharge:** Do not allow the battery to fully discharge frequently. Recharge it before it reaches critically low levels.
- **Optimal Storage:** If storing the battery for an extended period (e.g., over winter), charge it to approximately 50-70% and store it in a cool, dry place (10-20°C). Recharge it every 2-3 months to maintain this level.
- **Temperature Control:** Avoid charging or using the battery in extreme hot or cold conditions.

7. Troubleshooting

If you encounter issues with your battery, consider the following common solutions:

- **Battery Not Charging:**
  - Check if the charger is properly connected to both the battery and the power outlet.
  - Ensure the charger is functional and compatible.
  - Inspect the charging port on the battery for any debris or damage.
- **Reduced Range/Capacity:**
  - Ensure the battery is fully charged before each ride.
  - Extreme temperatures can temporarily affect performance.
  - Over time, all batteries experience some degradation. Ensure proper maintenance as described in Section 6.
- **Battery Indicator Not Working:**
  - Press the 'RST' (Reset) button if available, or the 'PUSH' button firmly.
  - Ensure the battery is securely seated in its compartment.

If problems persist, please contact vhbw customer support or your retailer for assistance.

8. Specifications

Feature	Specification
Brand	vhbw
Model Name	Flyer C2 Premium
Battery Type	Li-Ion
Capacity	15600 mAh
Voltage	25.2 V
Energy	393.12 Wh
Item Weight	2.7 Kilograms
Package Dimensions	30.5 x 18.3 x 12.4 cm
Compatible with	Panasonic Flyer C2, C2 Premium, C4, C4 Premium, C5 E-Bike
Replaces	NKY190B02, NKY224B02, NKY226B02, NKY252B02, NKY266B02, NKY281B2, NKY304B2, NKY314B2, NKY335B2, NKY374B2

9. Warranty and Support

This vhbw battery complies with legal regulations. For specific warranty terms and conditions, please refer to the purchase documentation or contact your retailer. For technical support or inquiries, please reach out to vhbw customer service through their official channels or the seller from whom you purchased the product.
Manufacturer: vhbw
First Available on Amazon.it: May 28, 2018

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