

## PowerSmart CAA081020E.501\_5

# PowerSmart 2A Power Supply for Phylion/Joycube E-bike Battery

Model: CAA081020E.501\_5

Brand: PowerSmart

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## 1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your PowerSmart 2A Power Supply, designed specifically for Phylion and Joycube e-bike batteries with a 5-pin Li-Ion connector. Please read this manual thoroughly before using the product and retain it for future reference.

## 2. SAFETY INSTRUCTIONS

- **Read all instructions:** Before using the charger, read all instructions and cautionary markings on the charger, battery, and product using the battery.
- **Indoor use only:** This charger is designed for indoor use only. Do not expose it to rain, moisture, or extreme temperatures.
- **Proper voltage:** Ensure the input voltage (100V-240V) matches your local power supply.
- **Avoid short circuits:** Do not short-circuit the output terminals.
- **Use correct connector:** Only use with Phylion/Joycube e-bike batteries requiring a 5-pin Li-Ion connector. Using an incompatible connector may damage the charger or battery.
- **Ventilation:** Ensure adequate ventilation around the charger during operation. Do not cover the charger.
- **Unplug when not in use:** Disconnect the charger from the power outlet when not in use or before cleaning.
- **Children and pets:** Keep the charger out of reach of children and pets.
- **Damaged components:** Do not operate the charger if the cord, plug, or housing is damaged. Contact customer support for replacement.
- **No user-serviceable parts:** Do not attempt to open or repair the charger. This will void the warranty and may

cause electric shock.

### 3. PRODUCT OVERVIEW

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The PowerSmart 2A Power Supply is a dedicated charger for specific e-bike batteries. It features a robust design and a specialized 5-pin connector for secure and efficient charging.



**Figure 3.1:** PowerSmart 2A Power Supply showing the main unit and the specialized 5-pin trapezoid connector for Phylion/Joycube batteries.

#### 3.1 Package Contents

- 1 x PowerSmart 2A Power Supply (Model: CAA081020E.501\_5)
- 1 x AC Power Cord (if not integrated)

#### 3.2 Key Features

- Compatible with Phylion/Joycube e-bike batteries.
- Specific 5-pin trapezoid connector (9.5 mm).
- Input Voltage: 100V-240V AC.
- Output Voltage: 42V DC.
- Output Current: 2.0A.
- Power Rating: 84W.
- Lightweight design (approx. 0.5 kg).



**Figure 3.2:** Detailed view of the PowerSmart 2A Power Supply, including the AC power cord and a diagram illustrating the 5-pin connector dimensions (6.5mm x 9.5mm) for 36V batteries (which charge to 42V).

## 4. SETUP

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1. **Unpack:** Carefully remove the power supply and any accessories from the packaging.
2. **Inspect:** Check the charger and cables for any visible damage. Do not use if damaged.
3. **Connect AC Power:** Plug the AC power cord into the charger's input port, then plug the other end into a standard wall outlet (100V-240V).
4. **Prepare Battery:** Ensure your e-bike battery is clean and its 5-pin charging port is free of debris.

## 5. OPERATING INSTRUCTIONS

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1. **Connect to Battery:** Carefully align the 5-pin trapezoid connector of the charger with the charging port on your Phylion/Joycube e-bike battery. Insert firmly.
2. **Charging Indicator:** The charger typically has an LED indicator.
  - **Red LED:** Indicates the battery is currently charging.
  - **Green LED:** Indicates the battery is fully charged.
3. **Charging Time:** Charging time will vary depending on the battery's capacity and its current charge level. Do not overcharge the battery beyond the green LED indication.
4. **Disconnect:** Once the battery is fully charged (Green LED), first disconnect the 5-pin connector from the battery, then unplug the AC power cord from the wall outlet.

**Important:** Always connect the charger to the battery first, then to the wall outlet. When disconnecting, always unplug from the battery first, then from the wall outlet.

## 6. MAINTENANCE

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- **Cleaning:** Disconnect the charger from all power sources before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and moisture when not in use.
- **Cable Care:** Avoid bending or crimping the power cords excessively. Do not wrap the cords tightly around the charger.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Charger LED not lighting up.	No power from outlet; loose connection; damaged charger.	Check wall outlet with another device; ensure all connections are secure; if still no power, charger may be faulty.
Battery not charging (Red LED not on).	Incorrect battery connection; incompatible battery; battery fault.	Ensure 5-pin connector is fully inserted and correctly aligned; verify battery compatibility; consult e-bike battery manual.
Charger gets excessively hot.	Poor ventilation; faulty charger/battery.	Ensure charger is in a well-ventilated area; discontinue use if overheating persists and contact support.

If troubleshooting steps do not resolve the issue, please contact PowerSmart customer support.

## 8. SPECIFICATIONS

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<b>Model Number</b>	CAA081020E.501_5
<b>Compatible Part Numbers</b>	SSLC084V42M
<b>Input Voltage</b>	100V-240V AC
<b>Output Voltage</b>	42V DC
<b>Output Current</b>	2.0A
<b>Power Rating</b>	84W
<b>Connector Type</b>	5-pin Trapezoid (9.5 mm)
<b>Recommended Use</b>	Phylion/Joycube E-bike Batteries
<b>Weight</b>	Approx. 0.5 kg (500 Grams)

## 9. WARRANTY AND SUPPORT

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Specific warranty information is not provided in the product details. Please refer to your purchase documentation or contact the seller, Batterie Center, for details regarding warranty coverage and customer support.

For technical assistance or inquiries, please contact PowerSmart customer service or the retailer from whom you purchased the product.

Seller: [Batterie Center](#)



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