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ROBBE Power Peak Compact 6s EQ

ROBBE Power Peak Compact 6s EQ Battery Charger User Manual

Model: Power Peak Compact 6s EQ

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your ROBBE Power Peak Compact 6s EQ battery charger. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

PRODUCT OVERVIEW

The ROBBE Power Peak Compact 6s EQ is a versatile battery charger designed for various battery types, including LiPo, LiFe, Lilon, NiMH, NiCd, and Pb batteries. It features an integrated balancer for lithium batteries and a clear display for monitoring charging parameters.



Figure 1: The ROBBE Power Peak Compact 6s EQ battery charger. This image shows the compact black charger unit with a blue backlit LCD screen and four red control buttons. A battery pack, white with red and black wires, is connected to the charger's output ports on the left side.

SETUP

1. Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect the charger and accessories for any signs of damage. If any damage is found, do not use the device and contact your retailer.
- Ensure all listed components are present: charger unit, power cable, and any included adapter cables.

2. Connecting to Power

1. Connect the provided power cable to the charger's power input port.
2. Plug the other end of the power cable into a suitable AC power outlet (100-240V AC).
3. The charger's display should illuminate, indicating it is powered on.

3. Connecting the Battery

- Identify the correct charging cable and balance board (if applicable) for your battery type.
- Connect the main charging leads from the battery to the charger's output ports, ensuring correct polarity (red to positive, black to negative).
- For lithium batteries, connect the balance lead from the battery to the corresponding balance port on the charger.
- Ensure all connections are secure before proceeding.

OPERATING INSTRUCTIONS

1. Navigating the Menu

The charger features a clear LCD display and four control buttons (typically labeled as 'Menu', 'Inc/Dec', 'Start/Stop').

- **Menu Button:** Press to cycle through main menu options.
- **Inc/Dec Buttons:** Use to adjust values or navigate within a sub-menu.
- **Start/Stop Button:** Press and hold to start a charging process; press briefly to stop.

2. Selecting Battery Type and Charging Mode

1. From the main menu, use the 'Menu' button to select the desired battery type (e.g., LiPo, NiMH).
2. Once the battery type is selected, use the 'Inc/Dec' buttons to choose the charging mode (e.g., Charge, Balance Charge, Fast Charge, Storage, Discharge).
3. Confirm your selection by pressing the 'Start/Stop' button.

3. Setting Charging Parameters

- After selecting the mode, the display will prompt you to set parameters such as charging current (Amps) and cell count (for lithium batteries).
- Use the 'Inc/Dec' buttons to adjust these values according to your battery's specifications. Always refer to your battery's manufacturer recommendations for safe charging rates.
- Press 'Start/Stop' to confirm each parameter.

4. Starting and Monitoring the Charge

1. Once all parameters are set, press and hold the 'Start/Stop' button to begin the charging process. The charger may perform a pre-charge check.

2. The display will show real-time charging information, such as current, voltage, charged capacity, and elapsed time.
3. Monitor the charging process. If any unusual behavior (e.g., excessive heat, swelling) is observed, immediately stop the charge by pressing the 'Start/Stop' button.
4. The charger will automatically stop when the battery is fully charged and emit an audible alert.

5. Safety Precautions

- Always charge batteries on a non-flammable surface and away from flammable materials.
- Never leave charging batteries unattended.
- Ensure proper ventilation during charging.
- Do not attempt to charge damaged or swollen batteries.
- Use only compatible battery types and charging parameters.
- Keep the charger away from moisture and extreme temperatures.

MAINTENANCE

1. Cleaning

- Before cleaning, disconnect the charger from the power source and any connected batteries.
- Use a soft, dry cloth to wipe the exterior of the charger.
- Do not use liquid cleaners or solvents, as these can damage the electronics.
- Ensure ventilation openings are free from dust and debris.

2. Storage

- Store the charger in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep it out of reach of children.
- If storing for an extended period, disconnect all cables.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger does not power on.	No power supply; faulty cable.	Check power cable connection; try a different outlet.
Charging error message on display.	Incorrect battery type/settings; poor connection; damaged battery.	Verify battery type and parameters; check all connections; inspect battery for damage.
Battery not charging or charging slowly.	Low charging current setting; faulty battery.	Increase charging current (within battery limits); test with a different battery.
Charger or battery gets excessively hot.	Overcurrent; internal fault; damaged battery.	Immediately stop charging. Reduce current. Discontinue use of damaged battery. Seek professional assistance if charger is faulty.

SPECIFICATIONS

- **Brand:** ROBBE
- **Model:** Power Peak Compact 6s EQ
- **Product Type:** Battery Charger
- **Color:** Black
- **ASIN:** B003A69QN8
- **Manufacturer:** ROBBE
- *Note: Specific electrical parameters (e.g., input voltage range, charge current range, supported battery types/cell counts) are typically found on the device or its packaging. Please refer to those for detailed technical specifications.*

WARRANTY AND SUPPORT

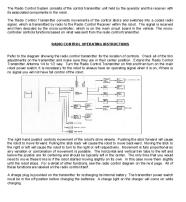
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You can often find more information and support on the manufacturer's official website: www.robbe.com (Note: This is a placeholder URL, please verify the actual manufacturer website for support).

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