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Acdctek 42V AC Adapter

User Manual: Acdctek 42V AC Adapter

Compatible with Hover-1 Formula H1-FM95 Go-Kart Electric GoKart

1. Introduction

This manual provides essential information for the safe and effective use of your Acdctek 42V AC Adapter. This power supply is specifically designed to be compatible with the Hover-1 Formula H1-FM95 Go-Kart Electric GoKart, providing reliable and stable power for charging and operation. Please read this manual thoroughly before using the product and retain it for future reference.



Figure 1.1: Overview of the Acdctek 42V AC Adapter, showing the main unit, AC input cable, and DC output cable.

2. Safety Information

To ensure safe operation and prevent damage, observe the following safety precautions:

- **OVP (Over Voltage Output Protection):** The adapter is equipped with protection against excessive output voltage.
- **OCP (Over Current Output Protection):** The adapter includes protection against excessive output current.
- **SCP (Short Circuit Output Protection):** The adapter is protected against short circuits in the output.
- Always connect the adapter to a properly grounded electrical outlet.
- Do not expose the adapter to water, moisture, or extreme temperatures.
- Do not disassemble or attempt to repair the adapter. Refer servicing to qualified personnel.
- Ensure the adapter is used in a well-ventilated area to prevent overheating.
- Verify that the input voltage of the adapter matches the local power supply (100-240V AC).
- Before connecting, confirm that the device's input voltage and connector dimensions are compatible with this 42V DC adapter.

3. Package Contents

The package should contain the following items:

- 1 x Acdctek 42V AC Adapter Unit
- 1 x AC Input Power Cord

4. Setup Instructions

Follow these steps to set up your AC adapter:

1. **Inspect the Adapter:** Before connecting, visually inspect the adapter and cables for any signs of damage. Do not use if damaged.
2. **Connect AC Power Cord:** Insert the AC input power cord into the AC input port on the adapter unit. Ensure it is firmly seated.
3. **Connect DC Output:** Locate the charging port on your Hover-1 Formula H1-FM95 Go-Kart. Carefully insert the DC output connector of the adapter into the Go-Kart's charging port. Ensure the connector type (round) and dimensions match.
4. **Plug into Wall Outlet:** Plug the AC input power cord into a standard 100-240V AC wall outlet.





Figure 4.1: Detail of the round DC output connector, which connects to the Go-Kart.

5. Operating Instructions

Once properly set up, the adapter will begin to supply power to your Hover-1 Formula H1-FM95 Go-Kart. This adapter is primarily used for charging the Go-Kart's battery.

- **Charging Indication:** Refer to your Hover-1 Go-Kart's manual for specific charging indicators (e.g., LED lights changing color).
- **Charging Time:** Charging time will vary depending on the Go-Kart's battery level and capacity.
- **Disconnecting:** Once charging is complete, first unplug the AC power cord from the wall outlet, then disconnect the DC output connector from the Go-Kart.

6. Maintenance

Proper maintenance ensures the longevity and safe operation of your adapter:

- **Cleaning:** Disconnect the adapter from all power sources before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and moisture. Avoid tightly winding the cables to prevent damage.
- **Cable Care:** Do not bend, pinch, or place heavy objects on the cables. Regularly check cables for fraying or damage.

7. Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Adapter not providing power.	• Loose connections. • No power from wall outlet. • Incompatible device. • Damaged adapter/cables.	• Ensure all cables are securely connected. • Test the wall outlet with another device. • Verify the Go-Kart model and input requirements. • Inspect adapter and cables for damage. Replace if damaged.
Adapter feels hot during use.	• Normal operation (slight warmth). • Poor ventilation. • Overload or short circuit.	• Ensure adequate airflow around the adapter. • Disconnect and check for short circuits in the Go-Kart or cable. If excessive heat persists, discontinue use.
Go-Kart not charging.	• Adapter not fully connected. • Go-Kart's battery issue. • Go-Kart's charging port issue.	• Re-seat the DC connector firmly into the Go-Kart's port. • Consult the Hover-1 Go-Kart manual for battery troubleshooting. • Contact Hover-1 support if the charging port is suspected to be faulty.

8. Specifications

Feature	Detail
Brand	Acdctek
Input Voltage	100-240V AC, 50-60Hz
Output Voltage	42V DC
Connectivity Technology	AC/DC Adapter
Connector Type	Round
Compatible Devices	Hover-1 Formula H1-FM95 Go-Kart Electric GoKart
Safety Protection	OVP, OCP, SCP Protection
Country of Origin	China

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase for any warranty claims.
Manufacturer: Acdctek

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