

DV-130-1

Class B DV-130-1 Transformer Instruction Manual

Brand: Generic | Model: DV-130-1

INTRODUCTION

This manual provides essential information for the safe and effective use of the Class B DV-130-1 Transformer. This component is designed as a compatible replacement spare part for Dell APC UPS 1920W Series systems.



Figure 1: The Class B DV-130-1 Transformer, showing its main body, mounting brackets, and various colored electrical wires with connectors. The label on the transformer indicates part numbers 080-49334-00 and E184736, along with "CLASS B DV-130-1 DAR PLUS SZ 0919".

SAFETY INFORMATION

WARNING: This product is an electrical component. Installation and handling should only be performed by qualified personnel. Failure to follow safety precautions can result in electric shock, fire, or damage to equipment.

- Always disconnect power from the UPS system before attempting installation or removal of the transformer.
- Ensure proper grounding and insulation during installation.
- Do not operate the transformer if it appears damaged or has exposed wiring.
- Refer to the original equipment manufacturer's (OEM) service manual for specific installation procedures for Dell APC UPS 1920W Series.

WHAT'S IN THE BOX

- 1 x Class B DV-130-1 Transformer

SETUP AND INSTALLATION

1. **Preparation:** Ensure the Dell APC UPS 1920W Series unit is completely powered off and disconnected from all power sources. Allow sufficient time for any residual charge to dissipate.
2. **Access:** Open the UPS casing according to the manufacturer's instructions to access the internal components.
3. **Removal of Old Transformer:** Carefully identify and disconnect the existing transformer. Note the wiring configuration and connections before removal. It is recommended to take photographs for reference.
4. **Installation of New Transformer:** Position the new Class B DV-130-1 Transformer in the designated location. Secure it using the appropriate mounting hardware.
5. **Wiring:** Connect the wires of the new transformer to the corresponding terminals within the UPS system. Ensure all connections are secure and correctly matched to the original configuration. Refer to the UPS service manual for detailed wiring diagrams.
6. **Reassembly:** Close the UPS casing, ensuring all screws and fasteners are properly secured.
7. **Testing:** Reconnect the UPS to power and perform a functional test to ensure proper operation.

Note: Due to the specialized nature of this component, professional installation by a certified technician is highly recommended to ensure safety and proper functionality.

OPERATING PRINCIPLES

The Class B DV-130-1 Transformer is a critical component within the power conversion circuitry of compatible UPS systems. Its primary function is to step up or step down voltage levels as required for battery charging, inverter operation, or line conditioning, ensuring stable and clean power delivery to connected devices. It operates passively as part of the UPS's overall power management system.

MAINTENANCE

This transformer is designed for long-term reliability and typically requires minimal maintenance. However, periodic checks can help ensure optimal performance:

- **Visual Inspection:** During routine UPS maintenance, visually inspect the transformer for any signs of physical damage, discoloration, or loose connections.

- **Cleanliness:** Ensure the area around the transformer is free from dust and debris, which can impede cooling. Use compressed air or a soft brush for cleaning.
- **Connection Integrity:** Periodically check that all electrical connections to the transformer are secure and free from corrosion.

Note: Any maintenance involving opening the UPS casing should only be performed by qualified technicians with appropriate safety measures in place.

TROUBLESHOOTING

As a passive component, the transformer itself does not typically exhibit "troubleshooting" symptoms in isolation. Issues related to the transformer usually manifest as broader UPS system failures. If your UPS system exhibits any of the following, and you suspect the transformer:

- UPS not providing power or charging batteries.
- Unusual humming or buzzing noises from within the UPS.
- Overheating or burning smell from the UPS.

Recommended Action:

Immediately disconnect the UPS from power and contact a qualified service technician. Attempting to diagnose or repair internal UPS components without proper training and tools can be extremely dangerous.

SPECIFICATIONS

Feature	Value
Part Number	080-49334-00
Compatible Part Numbers	E184736, E210832, GP1009, GP1151, GP1036, GP1046, GP1047
Compatible Models	Dell APC UPS 1920W Series
Type	Transformer
Item Weight	8 Pounds
Manufacturer	Dell
Compatible Devices	Computers, Servers, Sensitive Electronic Equipment
Connector Type	ATX
Output Wattage	1920 Watts
Form Factor	ATX
Cooling Method	Air
Maximum Input Voltage	240 Volts (AC)
Minimum Input Voltage	240 Volts (AC)

WARRANTY INFORMATION

Warranty terms for this replacement part are typically provided by the seller or the original manufacturer. Please refer to your purchase documentation or contact the seller directly for specific warranty details and coverage.

CUSTOMER SUPPORT

For technical assistance, installation queries, or troubleshooting beyond the scope of this manual, please contact the seller or the manufacturer of your Dell APC UPS 1920W Series. Ensure you have your product model number and purchase details available when seeking support.

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