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PKPOWER DSA-60W-12

PK Power AC/DC Adapter Instruction Manual

Model: DSA-60W-12 | Brand: PKPOWER

1. Introduction

This manual provides essential information for the safe and effective use of your PK Power AC/DC Adapter. This adapter is designed to provide stable power to compatible devices, such as DVE DSA-60W-12 12060 LCD Monitors and other electronics requiring a +12V 5A switching power supply.

2. Safety Information

Please read all safety instructions carefully before using the adapter. Failure to follow these instructions may result in electric shock, fire, or damage to the product or connected devices.

- **Indoor Use Only:** This adapter is intended for indoor use in dry locations only. Do not expose to water, rain, or excessive humidity.
- **Proper Ventilation:** Ensure adequate ventilation around the adapter during operation. Do not cover the adapter or place it in an enclosed space that could restrict airflow.
- **Voltage Compatibility:** Only connect the adapter to power outlets within the specified input voltage range (100-240V AC, 50-60Hz).
- **Protection Features:** This PK-Power adapter is equipped with Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP) to safeguard your devices.
- **Cable Care:** Do not place heavy objects on the power cord or allow it to be pinched. Avoid bending or twisting the cord excessively.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. Product Overview

The PK Power AC/DC Adapter is a reliable power supply unit designed for various electronic devices. It features a robust design and incorporates multiple safety certifications.



Figure 3.1: The PK Power AC/DC Adapter, showing the main power brick, the detachable AC input cord, and the DC output cable with a barrel connector.

Key Features:

- Input: 100-240V AC, 50-60Hz for worldwide compatibility.
- Output: +12V DC, 5A (60W max).
- Certified with CE, FCC, and RoHS standards.
- Built-in Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP).
- Durable construction for long-term reliability.

4. Setup

Follow these steps to properly set up your AC/DC 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 detachable AC power cord into the adapter's AC input port. Ensure it is firmly seated.



Figure 4.1: Angled view of the adapter, highlighting the AC input port where the power cord connects and the DC output cable.

3. **Connect to Wall Outlet:** Plug the AC power cord into a standard wall outlet (100-240V AC).
4. **Connect to Device:** Insert the DC output barrel connector from the adapter into the power input port of your compatible device (e.g., LCD monitor). Ensure the connector fits snugly.
5. **Power On Device:** Once all connections are secure, you may power on your device.

5. Operating Instructions

The PK Power AC/DC Adapter operates automatically once connected to a power source and a compatible device. It provides a stable 12V DC output to power your electronics.

- The adapter is designed for continuous operation within its specified limits.
- If your device requires less than 5A, the adapter will supply only the necessary current.
- Disconnect the adapter from the wall outlet when not in use for extended periods.

6. Maintenance and Care

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:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures. Coil cables loosely to prevent damage.

- **Avoid Overloading:** Do not connect devices that exceed the adapter's maximum output of 12V 5A (60W).

7. Troubleshooting

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

Problem	Possible Cause	Solution
Device not powering on.	No power from outlet; loose connection; incompatible device; faulty adapter.	Check wall outlet with another device. Ensure all cables are securely connected. Verify device voltage/current requirements. Try another compatible adapter if available.
Adapter feels hot.	Normal operation (slight warmth); insufficient ventilation; overloaded.	Ensure adapter has adequate airflow. Disconnect and allow to cool. Verify device power requirements do not exceed 60W. If excessively hot, discontinue use.
Adapter received has 2 prongs instead of 3 as pictured.	Product variation or incorrect item shipped.	Contact customer service for clarification or replacement if the received item does not meet your requirements or the product description.

8. Specifications

Detailed technical specifications for the PK Power AC/DC Adapter.



Figure 8.1: Approximate dimensions of the adapter unit.



Figure 8.2: Adapter's back label with input voltage and certification marks.

Specification	Value
Brand	PKPOWER
Model	DSA-60W-12 (Compatible with DSA-60W-121 12060)
Input Voltage	100-240 Volts AC
Input Frequency	50-60Hz
Output Voltage	12 Volts DC
Amperage	5 Amps

Specification	Value
Wattage	60 watts
Connector Type	Barrel Connector
Compatible Devices	Monitors (e.g., DVE DSA-60W-12 12060 LCD Monitor)
Special Features	Short Circuit Protection (SCP), Over Voltage Protection (OVP), Over Current Protection (OCP)
Certifications	CE, RoHS, FCC
Power Source	Corded Electric

9. Warranty and Support

PK-Power is committed to customer satisfaction. This product comes with a standard return policy.

- **Return Policy:** This product is eligible for a refund or replacement within 30 days of purchase, subject to the seller's return policy.
- **Customer Service:** For any inquiries or support needs, our friendly and reliable customer service team aims to respond within 24 hours. Please refer to your purchase documentation for specific contact details.
- **Online Resources:** For additional information or to explore other PKPOWER products, visit the official PKPOWER Store.

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