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- › [SKE SMART KEY ENERGY](#) /
- › [SKE 425VA/240W UPS Battery Backup & Surge Protector User Manual - Model VL425](#)

SKE SMART KEY ENERGY VL425

SKE 425VA/240W UPS Battery Backup & Surge Protector User Manual

Model: VL425

Brand: SKE SMART KEY ENERGY

1. INTRODUCTION AND OVERVIEW

The SKE 425VA/240W UPS Battery Backup & Surge Protector (Model VL425) is designed to provide reliable power protection for your electronic devices. It safeguards your equipment from power surges, spikes, and sags, while also offering temporary battery backup during power outages. This ensures continuous operation for critical devices such as computers, routers, modems, and other network systems, preventing data loss and extending their lifespan.

With its compact and versatile design, the VL425 can fit into various spaces, offering both vertical and horizontal placement options. It features multiple outlets and ports to accommodate a range of devices, ensuring your essential electronics remain powered and protected.

2. PRODUCT FEATURES

- **7 Standard US Outlets:** Includes 5 black outlets for battery backup and surge protection, and 2 white outlets for surge protection only. Ideal for backing up computers, routers, modems, and other network devices.
- **Additional Ports:** Equipped with an RJ45 port for surge protection, 2 USB outlets, and 1 Type-C outlet for fast charging of phones, laptops, and other compatible devices.
- **Automatic Voltage Regulation (AVR):** Provides simulated sine wave current to deliver stable and clean power, protecting your network systems from voltage fluctuations and extending device lifespan.
- **Unique Compact Design:** Space-saving design allows for flexible placement, either vertically or horizontally, to suit any environment.
- **Replaceable Battery:** User-friendly design facilitates easy battery replacement using a standard Phillips screwdriver.
- **Quiet Operation:** A simple press of the power button can silence audible alarms.



Figure 1: Front view of the SKE VL425 UPS, highlighting the 7 US outlets (5 battery backup/surge, 2 surge only), RJ45 port, 2 USB ports, and 1 Type-C port.



Figure 2: Illustration of the Automatic Voltage Regulation feature, showing how the UPS stabilizes power delivery to connected devices.

Q: How long can it sustain the load?
 A: It depends on the power load. For example, it can sustain an 80W laptop for about 20 minutes.

Q: Does it make noise?
 A: Upon powering on, it beeps; press the button once to mute. It will alarm when the battery is low.

Q: Can it be placed vertically/horizontally?
 A: Yes, it can be placed vertically or horizontally.

Q: What is the operating temperature like during operation?
 A: During UPS operation, it's normal for it to generate heat. Please ensure the ambient temperature is suitable and avoid obstructing the UPS vents.

Q: Can the battery be replaced?
 A: Yes, it can. You only need a Phillips screwdriver.

Figure 3: The SKE VL425 UPS providing power and protection to a desktop computer, monitor, laptop, server, router, modem, phones, and surveillance camera.

3. SETUP

1. **Unpack the UPS:** Carefully remove the UPS and all accessories from its packaging.
2. **Initial Placement:** Place the UPS in a stable location, either vertically or horizontally, ensuring proper ventilation. Avoid obstructing the vents.

3. **Connect to AC Power:** Plug the UPS power cord into a grounded wall outlet. The unit may come pre-charged, but it is recommended to allow it to charge fully before connecting critical devices.
4. **Connect Devices:** Plug your computer, monitor, router, modem, and other critical devices into the 5 black 'Battery Backup & Surge Protected' outlets. For devices requiring only surge protection, use the 2 white 'Surge Protected' outlets.
5. **Connect Data Lines (Optional):** If desired, connect your network cable to the RJ45 'IN' and 'OUT' ports for surge protection of your data line.
6. **Power On:** Press the power button on the UPS to turn it on. The status lights will indicate the battery charge level.

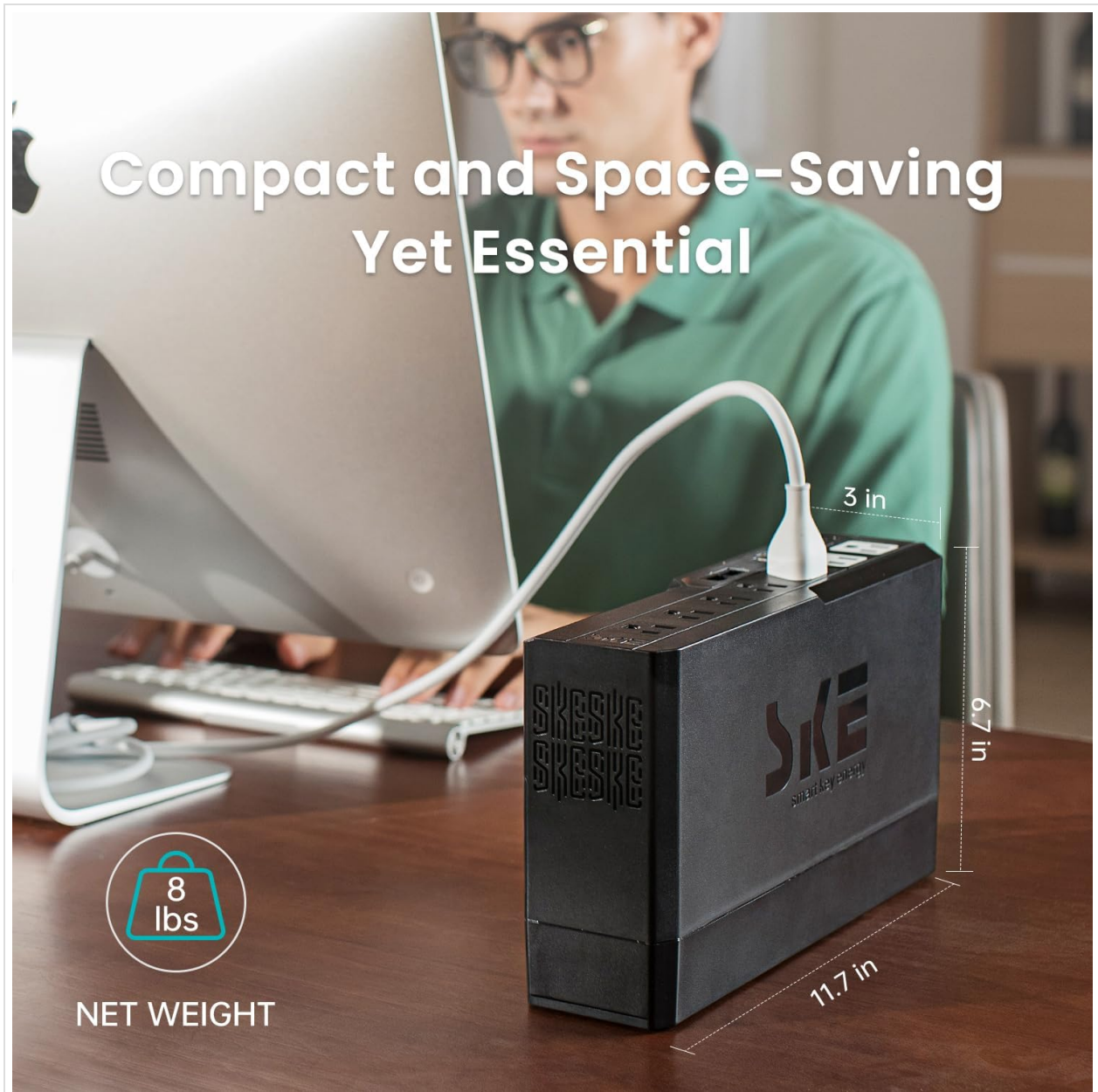


Figure 4: The SKE VL425 UPS positioned compactly on a desk next to a computer monitor, demonstrating its space-saving design.

4. OPERATING INSTRUCTIONS

1. **Power On/Off:** Press and hold the power button to turn the UPS on or off.
2. **Battery Backup Mode:** In the event of a power outage, the UPS will automatically switch to battery power, providing continuous power to connected devices. An audible alarm will sound to indicate that the unit is

operating on battery power.

3. **Muting Alarms:** To silence the audible alarm during battery backup mode, briefly press the power button. The alarm will reactivate if the battery level becomes critically low.
4. **Battery Status Indicators:** The LED indicators on the unit display the current battery charge level. Refer to the user manual for specific indicator patterns and their meanings.
5. **Charging Devices:** Use the 2 USB outlets and 1 Type-C outlet to charge compatible mobile devices, even during a power outage.

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Video 1: This video demonstrates the SKE VL425 UPS providing surge protection and battery backup, showing its functionality during power interruptions and how it keeps devices running.

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Video 2: A short preview video showcasing the compact size and power delivery capabilities of the SKE VL425 UPS, highlighting its role as a 'Small But Sassy Power Savior'.

5. MAINTENANCE

- **Battery Replacement:** The internal battery is user-replaceable. To replace, ensure the UPS is turned off and disconnected from AC power. Locate the battery compartment (typically on the bottom or side), unscrew the cover with a Phillips screwdriver, and carefully replace the battery. Refer to the full user manual for detailed instructions.
- **Cleaning:** Regularly clean the exterior of the UPS with a dry cloth. Do not use liquid cleaners or solvents. Ensure vents are free from dust and debris to maintain proper airflow.
- **Environmental Conditions:** Ensure the UPS is operated within a suitable ambient temperature range and that its vents are not obstructed. Proper ventilation is crucial to prevent overheating and extend the unit's lifespan.

Replacing the Battery is Simple



Figure 5: An exploded view showing the easy, user-friendly process of replacing the internal battery of the SKE VL425 UPS using a Phillips screwdriver.

6. TROUBLESHOOTING

- **Continuous Beeping:** If the UPS emits a continuous beep upon powering on, briefly press the power button once to mute the alarm. The unit will alarm again if the battery is low.
- **No Power Output:** Ensure the UPS is properly connected to a live AC outlet and that the power button is pressed. Check the battery charge level indicators. If the unit has a circuit breaker, ensure it has not tripped.
- **Device Not Charging/Powered:** Verify that the device is plugged into one of the 'Battery Backup & Surge Protected' outlets (black outlets) for backup power, or any outlet for surge protection. Check the device's power requirements against the UPS capacity.
- **Heat Generation:** It is normal for the UPS to generate some heat during operation. Ensure adequate ventilation and that ambient temperatures are suitable to prevent overheating.
- **Battery Runtime:** The duration the UPS can sustain a load depends on the power consumption of connected devices. For example, an 80W laptop may run for approximately 20 minutes.

7. SPECIFICATIONS

Attribute	Value
Model Number	SKE VL425
Power Capacity	425VA / 240W
Outlets	7 Standard US Outlets (5 Battery Backup & Surge, 2 Surge Only)
Additional Ports	RJ45 (Surge Protection), 2 USB, 1 Type-C
Battery Type	Lead Acid (1 9V battery included)
Voltage	120 Volts
Material	Plastic
Item Weight	8 pounds
Package Dimensions	14.13 x 13.15 x 5.16 inches

8. WARRANTY AND SUPPORT

Specific warranty details for the SKE VL425 UPS are not provided in the product information. Please refer to the product packaging or contact SKE SMART KEY ENERGY directly for comprehensive warranty information and customer support.

For technical assistance, troubleshooting, or inquiries regarding your SKE VL425 UPS, please visit the official SKE SMART KEY ENERGY website or contact their customer service department.