

## SigmasTek CP1229

# SigmasTek CP1229 12 Volt 2.9 AmpH SLA Replacement Battery User Manual

## 1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of the SigmasTek CP1229 12 Volt 2.9 AmpH Sealed Lead-Acid (SLA) Replacement Battery. This battery is designed as a compatible replacement for various models, including WP2.9-12T, UB1229T (D5700), SW1227, PS-1227, DJW12-2.9, and CP1229. It features F1 terminals for connection.

Common applications for this battery include uninterruptible power supplies (UPS), emergency lighting systems, security and alarm systems, scooters, wheelchairs, and medical devices.



**Image 1:** SigmasTek CP1229 12 Volt 2.9 AmpH SLA Replacement Battery. The battery is white with a black top, featuring F1 terminals. The label indicates it is a "Rechargeable Sealed Lead-Acid Battery (12V2.9AH/T1)" and provides charging instructions: "Floating use: 13.5-13.8V, Cycle use: 14.4-15.0V, Initial current: max 0.84A."

## 2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the battery and connected equipment:

- Always wear appropriate personal protective equipment, such as safety glasses and gloves, when handling batteries.

- Do not short-circuit the battery terminals. This can cause severe burns, fire, or explosion.
- Do not expose the battery to open flames, excessive heat, or direct sunlight.
- Do not disassemble, puncture, or modify the battery.
- Keep the battery away from children and pets.
- If battery acid comes into contact with skin or eyes, flush immediately with plenty of water and seek medical attention.
- Dispose of used batteries according to local regulations. Do not dispose of in household waste.

### 3. SETUP AND INSTALLATION

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Before installation, ensure the replacement battery matches the specifications of the original battery. Verify the voltage, amperage, and terminal type (F1 terminals).

1. Turn off and disconnect power from the device where the battery will be installed.
2. Carefully remove the old battery, noting the polarity of the connections (positive to positive, negative to negative).
3. Clean the battery compartment and terminals if necessary.
4. Connect the new SigmasTek CP1229 battery:
  - Connect the positive (+) terminal of the battery to the positive lead of the device.
  - Connect the negative (-) terminal of the battery to the negative lead of the device.
5. Ensure all connections are secure and tight.
6. Place the battery securely in its compartment.
7. Reconnect power to the device and test its functionality.

Refer to your device's specific instruction manual for detailed installation procedures if available.

### 4. OPERATING INSTRUCTIONS (CHARGING)

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This Sealed Lead-Acid battery is designed for reliable power. Proper charging is crucial for optimal performance and longevity.

#### Charging Instructions:

- **Floating Use (Standby Application):** For continuous charging to maintain full capacity, such as in UPS systems or alarm panels, maintain a voltage between **13.5V and 13.8V**.
- **Cycle Use (Deep Discharge/Recharge Application):** For applications involving regular discharge and recharge cycles, such as in scooters or wheelchairs, charge at a voltage between **14.4V and 15.0V**.
- **Initial Current:** The maximum initial charging current should not exceed **0.84A**. Exceeding this current can damage the battery.

Always use a charger specifically designed for 12V Sealed Lead-Acid batteries that adheres to these voltage and current specifications.

### 5. MAINTENANCE

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Sealed Lead-Acid batteries are generally maintenance-free, but following these guidelines can extend their lifespan:

- **Keep Clean:** Periodically inspect the battery for dirt, dust, or corrosion on the terminals. Clean with a

dry cloth.

- **Temperature:** Store and operate the battery within recommended temperature ranges (typically 20°C to 25°C or 68°F to 77°F) for optimal performance. Extreme temperatures can reduce battery life.
- **Avoid Deep Discharge:** While designed for cycle use, repeatedly discharging the battery to extremely low levels can shorten its lifespan. Recharge promptly after use.
- **Regular Charging:** If the battery is not in regular use, recharge it every 3-6 months to prevent self-discharge and maintain its capacity.

## 6. TROUBLESHOOTING

If you encounter issues with your SigmasTek CP1229 battery, consider the following common troubleshooting steps:

- **Battery Not Charging:**
  - Check the charger: Ensure it is functioning correctly and is compatible with 12V SLA batteries.
  - Verify connections: Confirm that the battery terminals are securely connected to the charger and the device.
  - Inspect for damage: Look for any visible damage to the battery or charger cables.
- **Shortened Run Time:**
  - Ensure the battery is fully charged according to the operating instructions.
  - Check the age of the battery: Battery capacity naturally degrades over time.
  - Verify the load: Ensure the device's power consumption is within the battery's capacity.
- **Overheating:**
  - Immediately disconnect the battery from the charger or device.
  - Ensure proper ventilation around the battery during charging and operation.
  - Verify the charger's specifications match the battery's requirements (voltage and current).

If problems persist after following these steps, contact SigmasTek customer support or a qualified technician.

## 7. SPECIFICATIONS

Feature	Detail
Product Model (Compatible)	CP1229
Manufacturer Part Number	SP12-2.7
Voltage	12 Volts
Capacity	2.9 AmpH
Battery Type	Sealed Lead-Acid (SLA)
Terminal Type	F1 Terminal
Product Dimensions (L x W x H)	3.11 x 2.2 x 3.9 inches
Item Weight	2.4 pounds

Feature	Detail
Recommended Uses	Emergency Lighting, UPS, Scooters, Wheelchairs, Security Systems

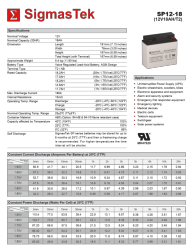

## 8. WARRANTY AND SUPPORT

The SigmasTek CP1229 replacement battery comes with a minimum of a one-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or further assistance, please contact SigmasTek customer service. Keep your proof of purchase for warranty validation.

For more information, visit the official SigmasTek store:[SigmasTek Store on Amazon](#)

### Related Documents - CP1229

	<p><a href="#">SigmasTek SP12-18 (12V18AH/T2) Rechargeable Sealed Lead-Acid Battery Datasheet</a></p> <p>Detailed specifications, performance charts, and application information for the SigmasTek SP12-18 (12V18AH/T2) rechargeable sealed lead-acid battery. Includes dimensions, capacity, discharge rates, temperature effects, and self-discharge characteristics.</p>
	<p><a href="#">CHICURA Living 2025 Autumn/Winter Collection - Sustainable Danish Design Home Decor</a></p> <p>Discover the CHICURA Living 2025 Autumn/Winter collection, featuring sustainable Danish design home decor, mindfulness tools, elegant frames, organizers, and decorative items crafted from natural materials. Explore unique products designed to enhance quality of life.</p>