

KICKASS KACHG1232

KickAss Flexicharge 32A Smart 12V Battery Charger

Model: KACHG1232

Brand: KICKASS

1. INTRODUCTION AND OVERVIEW

The KickAss Flexicharge 32A Smart 12V Battery Charger is an advanced, microprocessor-controlled charging unit designed for optimal battery health and longevity. It features a 9-stage smart charging process, adjustable output, and compatibility with various battery chemistries, including Lead Acid, AGM, Gel, Lithium, and LiFePO4. This manual provides essential information for safe and effective operation of your charger.



Image 1: The KickAss Flexicharge 32A Smart 12V Battery Charger with its power cable, Anderson connector, and alligator clamps.

2. KEY FEATURES

- **Automatic 9-Stage Smart Charging:** Utilizes a high-tech microprocessor to manage the charging process in nine distinct stages, ensuring optimal current and voltage delivery for maximum efficiency and battery longevity.
- **Fast Charge with 32A Peak Output:** Delivers a peak output of 32A per hour, significantly reducing charging time while optimizing the charging process through advanced smart charging technology.
- **Adjustable Output for Various Battery Sizes:** Offers adjustable amperage outputs of 8A, 16A, and 32A, providing versatility for different battery capacities and charging needs.
- **Compatibility with Multiple Battery Chemistries:** Supports a wide range of battery types including AGM, Gel, Lithium, LiFePO4, and Lead Acid, with adjustable amperage to suit specific battery requirements.
- **Lithium Activation Mode:** Capable of reviving lithium batteries that have fallen below their Battery Management System (BMS) safety voltage parameters, charging them until the cut-in voltage is reached for normal charging to resume.
- **AGM Recondition Mode:** Designed to restore the capacity and performance of AGM batteries by breaking down lead sulphate deposits, particularly useful for deeply discharged or long-unused batteries.
- **Multiple Protection Features:** Includes short circuit protection, overheating protection, and other safeguards to protect your valuable battery and the charger itself.



Image 2: Close-up of the charger's display and control buttons (MODE, FUNCTION).

3. SETUP AND CONNECTIONS

Before operating the charger, ensure all connections are secure and correct. The charger comes with both Anderson connectors and alligator clamps for versatile connection options.

3.1 Connecting to a Battery

1. Ensure the charger is disconnected from any power source.
2. Connect the desired battery connection accessory (Anderson connector or alligator clamps) to the charger's output port.
3. For alligator clamps, connect the red positive (+) clamp to the positive battery terminal and the black

negative (-) clamp to the negative battery terminal. Ensure a secure connection.

4. For Anderson connectors, ensure the battery is equipped with a compatible Anderson plug and connect it securely to the charger's output.
5. Once connected to the battery, you can then connect the charger to a 240V AC power outlet.

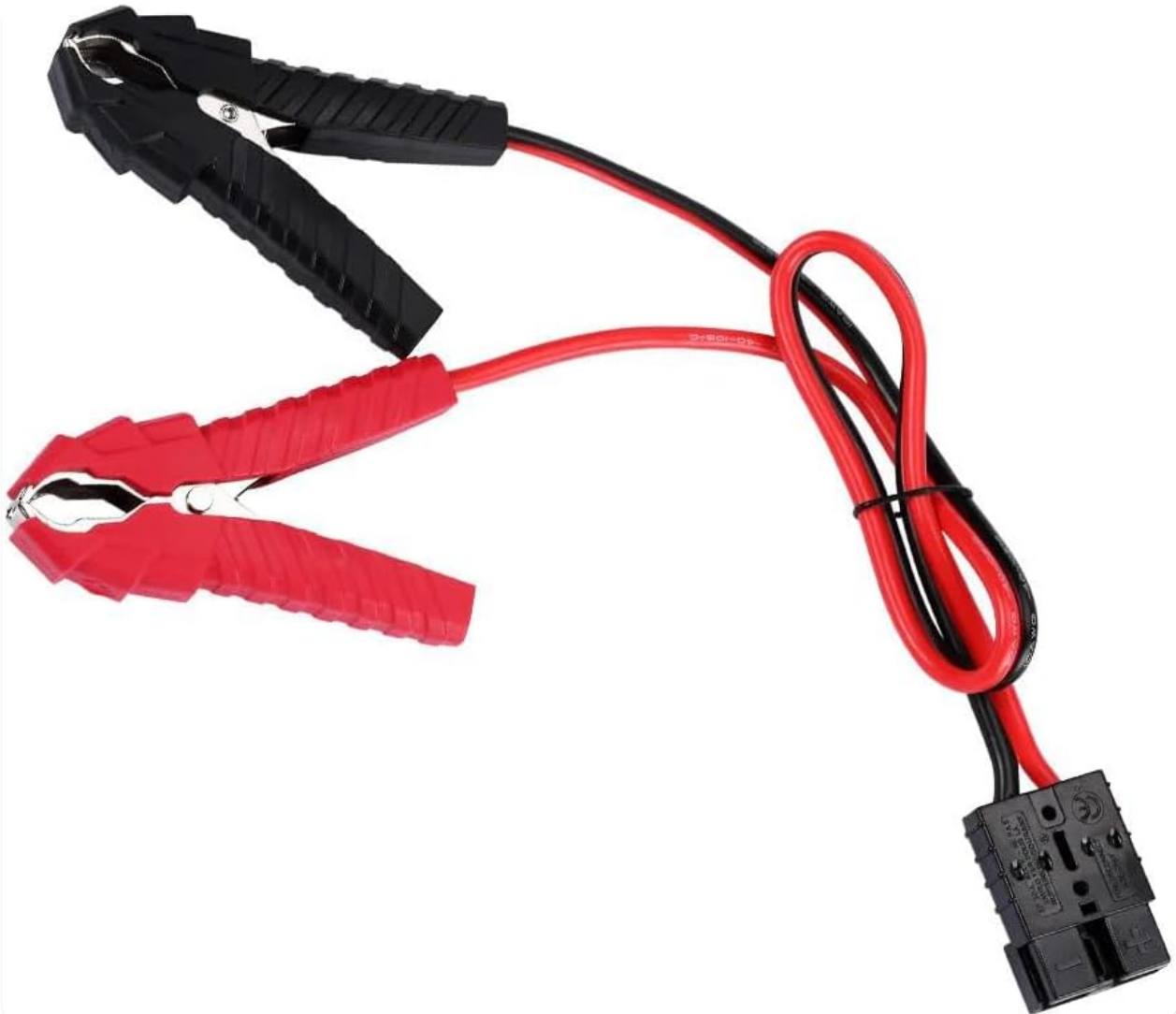


Image 3: Alligator clamps and Anderson connector for connecting the charger to a battery.

4. OPERATING INSTRUCTIONS

The Flexicharge 32A Smart Charger offers various modes for charging and testing your battery and vehicle's electrical system.

4.1 Battery Health Check (Battery Test Mode)

This mode allows you to quickly assess the health of your battery, cranking system, and alternator. The charger provides visual feedback (blue for good, yellow for fair, red for bad) on the display.

1. Connect the charger to your vehicle's battery using the alligator clamps as described in Section 3.1.
2. The charger will automatically begin its first test, displaying the battery's measurement.
3. To check the cranking health, press the **FUNCTION** button. The charger will display the cranking power.
4. To check the alternator health, press the **FUNCTION** button again. The charger will display the alternator's performance.

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Video 1: Demonstrates how to use the KickAss Flexicharge 32A Smart Charger to check battery, cranking, and alternator health. The video shows connecting the clamps, interpreting the blue (good), yellow (fair), and red (bad) LED indicators for each test.

4.2 Charging Modes

The charger automatically detects the battery type and selects the appropriate charging mode. You can also manually select specific modes or adjust amperage.

- **Automatic Charging:** Once connected to a battery and power, the charger will automatically begin the 9-stage charging process.
- **Adjusting Amperage:** Use the **MODE** button to cycle through available amperage settings (8A, 16A, 32A) to match your battery's capacity and charging requirements.
- **Lithium Activation Mode:** If a lithium battery is deeply discharged, this mode will attempt to bring it back to a voltage where normal charging can commence.
- **AGM Recondition Mode:** For AGM batteries that have suffered from sulfation, this mode helps to restore their capacity. Consult the charger's display for activation instructions if needed.

5. MAINTENANCE AND CARE

- Keep the charger clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Store the charger in a cool, dry place when not in use.
- Regularly inspect cables and connectors for any signs of damage or wear. Replace if necessary.
- Do not expose the charger to extreme temperatures or direct sunlight for prolonged periods.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not turning on.	No power from AC outlet; loose connection.	Check AC power source; ensure power cable is securely plugged in.
Charger not detecting battery.	Incorrect battery connection; battery voltage too low.	Verify positive and negative connections; try Lithium Activation Mode for deeply discharged lithium batteries.
Charger shows "Bad" (Red LED) during test.	Battery, cranking system, or alternator issue.	Consult a professional for further diagnosis and potential replacement of the component.
Overheating protection activated.	Poor ventilation; excessive ambient temperature.	Ensure adequate airflow around the charger; move to a cooler environment if possible.

7. SPECIFICATIONS

- **Model:** KACHG1232
- **Brand:** KICKASS
- **Input Voltage:** 240V AC (typical)

- **Output Voltage:** 12V DC
- **Max Output Current:** 32A
- **Charging Stages:** 9-Stage Smart Charging
- **Compatible Battery Types:** Lead Acid, AGM, Gel, Lithium, LiFePO4
- **Adjustable Amperage:** 8A, 16A, 32A
- **Dimensions:** 29.8 x 15.2 x 8.7 cm
- **Weight:** 2.7 kg
- **ASIN:** B0D21MSFT7

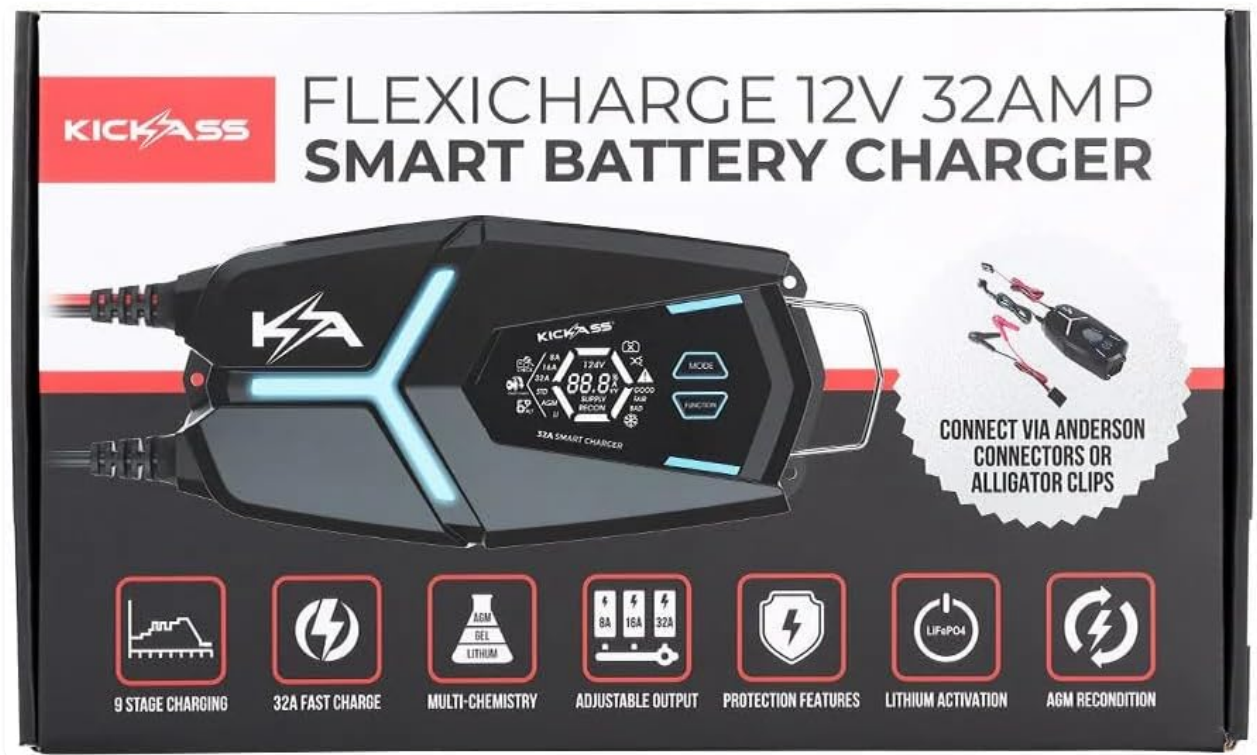


Image 4: The KickAss Flexicharge 32A Smart 12V Battery Charger shown with its retail packaging, highlighting key features.







8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official KICKASS website or contact their customer service directly. Keep your proof of purchase for warranty claims.

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Video 2: An overview of KickAss Products, showcasing their range of off-grid adventure gear, including power solutions like the Flexicharge charger, and emphasizing their Australian ownership and direct shipping.

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	<p>KickAss 12V 32 Amp Smart Battery Charger User Manual (KACHG1232)</p> <p>Comprehensive user manual for the KickAss 12V 32 Amp Smart Battery Charger (Model KACHG1232). Covers product specifications, features, safety information, connection instructions, standard and special operation modes, charging profiles, and error codes.</p>
	<p>KickAss 12V 22 Amp 9 Stage Automatic Battery Charger User Manual</p> <p>Comprehensive user manual for the KickAss 12V 22 Amp 9 Stage Automatic Battery Charger (KACHG1222). Learn about safety, installation, operation, charging modes, and troubleshooting.</p>
	<p>KickAss 12V Battery Monitor with 500A Shunt: Owner's Manual & Installation Guide</p> <p>Comprehensive guide for the KickAss 12V Battery Monitor with 500A Shunt. Covers installation, setup, operation, specifications, troubleshooting, and warranty. Designed for outdoor and camping enthusiasts.</p>
	<p>KickAss Lithium 12V Control Box KAMINILCDPB User Manual</p> <p>User manual for the KickAss Lithium 12V Control Box with LCD Screen (Model KAMINILCDPB). Covers installation, operation, features, specifications, troubleshooting, and BMS alarm modes for optimal power management with KickAss Lithium Batteries.</p>
	<p>KickAss PowerBoss KAPB2K1280 Owner's Manual</p> <p>Comprehensive owner's manual for the KickAss PowerBoss KAPB2K1280, detailing safety, specifications, features, installation, configuration, and troubleshooting for this 2000W pure sine wave inverter charger.</p>
	<p>KickAss 12V 120Ah Deep Cycle Lithium Battery Owner's Manual</p> <p>Comprehensive owner's manual for the KickAss 12V 120Ah Deep Cycle Lithium LiFePO4 battery, detailing safety information, product specifications, features, installation guide, and troubleshooting tips.</p>

