

MotoTec MT-Sonora-36v

MotoTec 36v 500w Sonora Kids ATV Instruction Manual

Model: MT-Sonora-36v

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential information for the safe assembly, operation, and maintenance of your MotoTec 36v 500w Sonora Kids ATV. Please read this manual thoroughly before operating the ATV to ensure proper use and to prevent injury.

Important Safety Warnings:

- **Recommended Age:** This ATV is designed for children **6 years and older**. Adult supervision is required at all times.
- **Maximum Rider Weight:** Do not exceed a maximum rider weight of **145 lbs (65 kg)**.
- Always wear appropriate safety gear, including a helmet, knee pads, and elbow pads.
- Operate the ATV only in safe, open areas, away from traffic, pedestrians, and obstacles.
- Never operate the ATV near water, on steep inclines, or in adverse weather conditions.
- Ensure all bolts, nuts, and fasteners are securely tightened before each use.
- Keep hands, feet, hair, and clothing away from moving parts.
- This product is CPSC Action Plan CEC Certified for California Sale.

2. PRODUCT OVERVIEW

The MotoTec 36v 500w Sonora Kids ATV is an electric mini quad designed for recreational use. It features a robust steel frame, pneumatic knobby tires, and a powerful electric motor. Key components are highlighted below.



Figure 2.1: Side view of the MotoTec 36v 500w Sonora Kids ATV. This image shows the overall design, including the green frame, black body, seat, handlebars, and knobby tires.



Figure 2.2: Front view of the ATV, showcasing the headlights, front suspension, and protective bumper.



Figure 2.3: Rear view of the ATV, showing the rear carrying rack, rear disc brake, and tail light area.

Key Features:

- 36 Volt 500 Watt Motor
- Three 12v 12ah Sealed Lead Acid Batteries (36v Total)
- Selectable Speed: 10 MPH and 15 MPH (controlled by key)
- Front & Rear Suspension
- Front (2) & Rear (1) Disc Brakes with Parking Brake
- Large 13-inch Knobby Pneumatic Tires (4.10-6)
- Front & Rear Carrying Racks
- Headlights
- Key Start and Battery Meter
- Half Twist Throttle
- Forward & Reverse Functionality

3. SETUP AND ASSEMBLY

Assembly is required for this ATV. Please follow the instructions provided in the separate assembly guide carefully. Ensure all components are present and undamaged before beginning assembly.

Initial Battery Charging:

1. Locate the charging port on the ATV.
2. Connect the included battery charger to the charging port.
3. Plug the charger into a standard electrical outlet.
4. Allow **4-6 hours** for a full charge before the first use. The charger indicator light will typically change color when charging is complete.
5. Do not overcharge the battery. Disconnect the charger once charging is complete.

4. OPERATING INSTRUCTIONS

Starting the ATV:

1. Insert the key into the ignition and turn it to the 'ON' position.
2. The battery meter will indicate the current charge level.
3. Ensure the parking brake is disengaged.

Speed Selection:

The ATV has two selectable speed modes: 10 MPH and 15 MPH. This setting is controlled by a key-operated switch, typically located near the ignition. Consult your assembly guide for the exact location. Always start with the lower speed setting until the rider is comfortable with the ATV's operation.

Driving:

- To move forward, gently twist the half-twist throttle on the right handlebar.
- To engage reverse, use the designated reverse switch (refer to your assembly guide for location), then apply throttle.
- To brake, squeeze the brake levers on the handlebars. The ATV features both front and rear disc brakes for effective stopping.
- To engage the parking brake, apply the rear brake and use the parking brake lever/mechanism.

Headlights:

The headlights can be turned on or off using the switch located on the handlebars (refer to your assembly guide for location).

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your MotoTec ATV.

Battery Care:

- Always recharge the battery after each use, even if only for a short period.
- If the ATV is stored for an extended period, charge the battery at least once a month to maintain its life.
- Store the ATV and battery in a cool, dry place.

General Maintenance:

- Periodically check all nuts, bolts, and fasteners for tightness. Tighten as necessary.
- Inspect tires for proper inflation and wear. The recommended tire pressure is typically indicated on the tire sidewall.
- Check brake cables and levers for proper function and adjustment.
- Keep the ATV clean. Wipe down with a damp cloth; avoid using high-pressure washers directly on electrical components.
- Lubricate the chain regularly with appropriate chain lubricant.

6. TROUBLESHOOTING

If you encounter issues with your ATV, refer to the following common troubleshooting steps:

ATV Does Not Start:

- Check if the battery is fully charged.
- Ensure the key is fully inserted and turned to the 'ON' position.
- Verify all electrical connections are secure.
- Check the fuse (if accessible and applicable, refer to assembly guide).

Reduced Power or Speed:

- The battery may be low; recharge it fully.
- Check tire pressure; underinflated tires can affect performance.
- Ensure the speed selector is set to the desired speed.

Brakes Not Functioning Properly:

- Inspect brake cables for damage or looseness.
- Adjust brake tension as needed (refer to assembly guide).

For issues not resolved by these steps, please contact MotoTec customer support.

7. SPECIFICATIONS



Figure 7.1: Dimensions of the MotoTec 36v 500w Sonora Kids ATV.

Feature	Specification
Motor	36 Volt 500 Watt
Battery	Three 12v 12ah Sealed Lead Acid (36v Total)
Speed	10 & 15 MPH (selectable with key)
Recommended Age	6+ years old
Max Rider Weight	145 lbs
Frame	Steel
Tires	4.10-6 Knobby Pneumatic (13 inch)
Brakes	2 front disc, 1 rear disc (with parking brake)
Suspension	2 front shocks, 1 rear shock
Throttle	Variable twist-grip
Drive System	Chain
Charging Time	4-6 hours
ATV Size (L x W x H)	42 x 23 x 25 inches

ATV Weight	103 lbs
Handlebar Height (from ground)	25 inches
Seat Height (from ground)	19 inches
Included Components	Battery Charger

8. WARRANTY AND SUPPORT

Warranty Information:

This MotoTec 36v 500w Sonora Kids ATV comes with a**60-day parts replacement warranty**. This warranty covers manufacturing defects in materials and workmanship for a period of 60 days from the date of purchase. It does not cover damage due to misuse, accidents, neglect, improper assembly, or normal wear and tear.

Customer Support:

For warranty claims, technical assistance, or to order replacement parts, please contact MotoTec customer support. Refer to your purchase documentation or the MotoTec official website for current contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question