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› [FORM F36V18A201 36V 18AMP Golf Cart Battery Charger User Manual](#)

FORM F36V18A201

FORM F36V18A201 36V 18AMP Golf Cart Battery Charger User Manual

Model: F36V18A201 | Brand: FORM

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your FORM 36 Volt 18 Amp Golf Cart Battery Charger. This charger is designed for EZGO TXT golf carts and is compatible with Lead Acid, LiFePO4, Lithium, and AGM batteries. Please read this manual thoroughly before use to ensure proper function and longevity of your charger and golf cart batteries.



Image: The FORM 36V 18AMP Golf Cart Smart Charger with its D-Style plug.

2. SAFETY INFORMATION

Always prioritize safety when working with electrical equipment and batteries. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Wear appropriate personal protective equipment, including safety glasses and gloves, when handling batteries.
- Ensure the charger is connected to a properly grounded outlet.
- Do not operate the charger if it is damaged or has frayed cables.
- Charge batteries in a well-ventilated area to prevent the accumulation of explosive gases.
- Keep the charger away from flammable materials.
- Disconnect the AC power from the charger before connecting or disconnecting the DC output cables to the battery.
- Avoid creating sparks near batteries, especially during charging, as batteries can emit hydrogen gas which is highly explosive.
- Do not attempt to charge non-rechargeable batteries.

- Keep out of reach of children.

Your browser does not support the video tag.

Video: This video demonstrates FORM's SparkGuard Technology, which automatically cuts voltage when the charger is disconnected, preventing sparks and enhancing safety during battery connection and disconnection.

3. PRODUCT FEATURES

- **Universal Battery Compatibility:** This charger supports Lead Acid, LiFePO4, Lithium, and AGM battery types, offering versatility for various golf cart battery configurations.
- **EZGO D-Style Plug:** Equipped with a Powerwise EZGO 'D' Style Plug for direct compatibility with EZGO TXT electric golf carts.
- **Lightweight Design:** Approximately 80% lighter than standard OEM chargers, enhancing portability and ease of handling.
- **Extended Cable Length:** Features 16 feet of power cables for increased flexibility and convenience during charging.
- **'Set It & Forget It' Maintenance Mode:** Automatically transitions to a maintenance mode once batteries are fully charged, ensuring optimal battery health without overcharging.
- **Advanced WeatherShield Internal Coating:** Protects internal electrical components from harsh weather conditions, dust, and corrosion.
- **IP67 Waterproof Rating:** Ensures durability and reliable performance in various environments.
- **Rugged Cooling Fan:** Integrated fan for efficient thermal management during operation.
- **Improved Battery Sensing Technology:** Optimizes charging to enhance the lifespan and performance of Lead Acid Batteries.
- **Start Assist Feature:** Designed to recover deeply discharged batteries from storage.
- **Wall Mountable:** Includes hardware for convenient wall mounting, reducing clutter.

TOTAL BATTERY FREEDOM

Switch Battery Types Without Switching Chargers

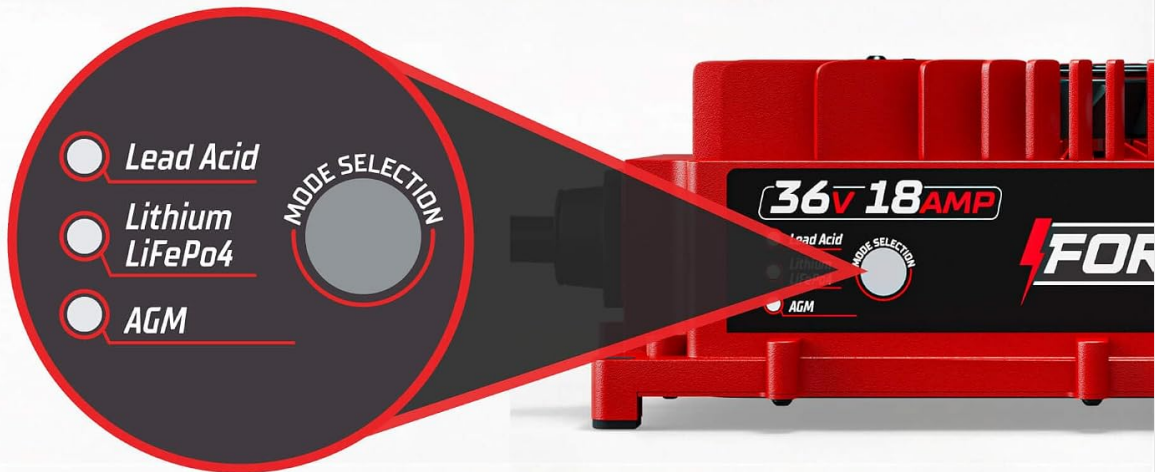


Image: The charger offers 'Total Battery Freedom', allowing it to charge Lead-Acid, AGM, Lithium, and LiFePO4 batteries.

BEST IN CLASS



16ft Extended Reach Cord



Don't Get Stuck
Needing Dangerous
Extension Cords

Image: The D-Style Golf Cart Charger features an extended 16ft cord for convenience.

ADVANCED WeatherShield COATING

Protects against water, dust & corrosion
Improves Thermal Cooling



WATERPROOF
DUSTPROOF

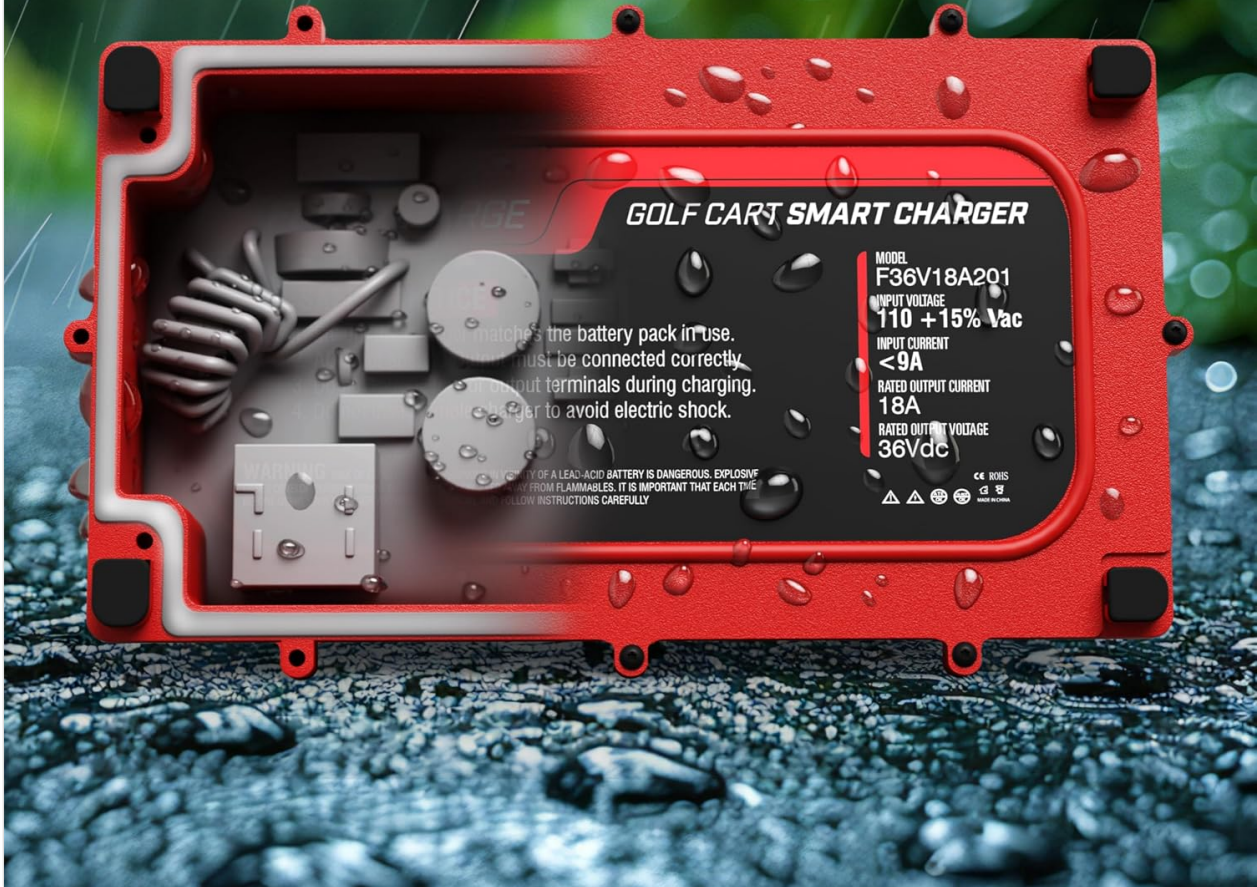


Image: The charger features Advanced WeatherShield Coating and an IP67 waterproof rating for protection against elements.

SAY GOODBYE TO CLUTTER

Wall mounting hardware included



Image: The charger can be conveniently wall-mounted to save space.

4. SETUP

4.1 Initial Inspection

Before first use, inspect the charger for any visible damage. Ensure all cables and the D-Style plug are intact and free from cuts or abrasions.

4.2 Connecting the Charger

1. Ensure your golf cart is turned off and the key is removed.
2. Locate the D-Style charging port on your EZGO TXT golf cart.
3. Firmly insert the charger's D-Style plug into the golf cart's charging port.
4. Plug the AC power cord into a standard 120V AC grounded electrical outlet.
5. The charger will automatically begin the charging process.

4.3 Battery Type Selection

The FORM charger features a mode selection button to optimize charging for different battery chemistries. Press the 'Mode Selection' button on the charger to cycle through the available battery types (Lead Acid, Lithium LiFePO4, AGM). Ensure the correct battery type is selected for your golf cart's batteries.



Image: Detail of the mode selection button for different battery types.

5. OPERATING INSTRUCTIONS

5.1 Charging Process

The charger utilizes a 4-stage smart charging technology to ensure efficient and safe charging:

1. **Deep Charge (Flashing Red):** Initial charge for deeply discharged batteries.
2. **Absorption Charge (Flashing Yellow):** Finishing the charge at a slower rate to avoid overcharging.
3. **Finishing Charge (Flashing Green):** Topping off your batteries and optimizing for extended life.
4. **Automatically Maintain (Solid Green):** Once fully charged, the charger will maintain and optimize the battery continuously until it is disconnected. This is the 'Set It & Forget It' maintenance mode.

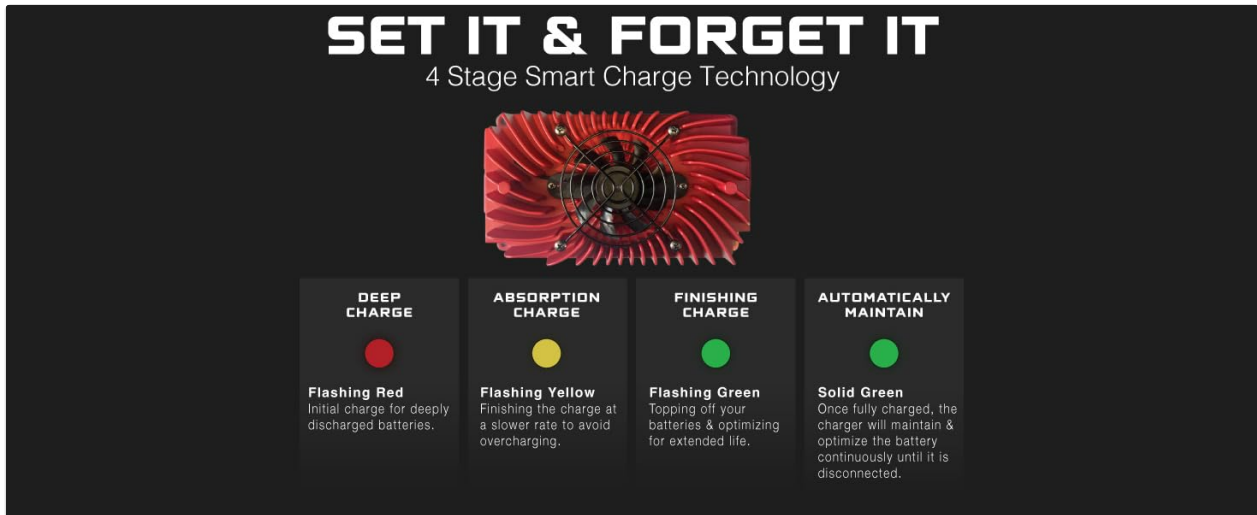


Image: Visual representation of the 4-stage smart charge technology and its LED indicators.

5.2 Disconnecting the Charger

1. Always unplug the AC power cord from the wall outlet first.
2. Then, disconnect the D-Style plug from the golf cart's charging port.

Your browser does not support the video tag.

Video: This video provides an overview of the 36V Waterproof Golf Cart Charger, highlighting its features and ease of use.

6. MAINTENANCE

6.1 Charger Care

- Keep the charger clean and dry. Wipe with a soft, damp cloth if necessary.
- Do not immerse the charger in water, despite its waterproof rating.
- Store the charger in a cool, dry place when not in use.

6.2 Battery Care (for Lead Acid Batteries)

- Regularly check the water levels in your lead-acid batteries and top up with distilled water as needed.
- Keep battery terminals clean and free of corrosion.
- Avoid fully discharging your batteries, as this can shorten their lifespan.

7. TROUBLESHOOTING

If you encounter issues with your charger, refer to the official troubleshooting guide for detailed solutions:

[Download Official Troubleshooting Guide \(PDF\)](#)

Common Issues:

- **Charger Not Activating:** If the golf cart batteries are completely drained (below a certain voltage threshold), the smart charger may not initiate charging. In such cases, a temporary boost from a smaller 12V charger connected to individual 6V batteries in series might be required to bring the voltage up enough for the main charger to recognize them.
- **Slow Charging:** Ensure the correct battery type is selected on the charger. Check for proper ventilation around the charger and batteries.
- **No Power Indication:** Verify the AC power connection to the wall outlet and the DC connection to the golf cart. Check the circuit breaker if applicable.



Image: The Start Assist feature helps recover deeply discharged batteries.

8. SPECIFICATIONS

Feature	Detail
Brand	FORM
Model Number	F36V18A201
Output Voltage	36 Volts (DC)
Input Voltage	120 Volts (AC)
Current Rating	18 Amps
Battery Charge Time	5 Hours (typical)
Compatible Devices	1996-2009 36 Volt EZGO Freedom TXT, EZGO Shuttle, EZGO TXT PDS, EZGO TXT, EZGO TXTE Golf Carts
Connector Type	D-Style Plug
Product Dimensions	5.25"D x 10"W x 3"H
Item Weight	5.5 Pounds
Waterproof Rating	IP67
UPC	309272357967

COMPATIBLE GOLF CARTS

EZGO



1996 - 2009

36 Volt



*The make & model plate is located inside the passenger side glove box

TXT

TXTE

TXT PDS

FREEDOM TXT

SHUTTLE

* The last two serial numbers of your EZ-GO manufacturers code is your carts manufacture year

Image: List of compatible EZGO golf cart models and years.

9. WARRANTY AND SUPPORT

Your FORM 36 Volt Golf Cart Battery Charger comes with a 24-month manufacturer's warranty. For warranty claims, troubleshooting assistance, or general inquiries, please contact FORM Industries customer support. They offer USA-based customer support and provide troubleshooting videos and comprehensive help articles.

For further assistance, visit the [FORM Store on Amazon](#).