

## Prophete 20.ETM.30

# Prophete Graveler Electric Bicycle 20.ETM.30 User Manual

Model: 20.ETM.30 | Brand: Prophete

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and care of your Prophete Graveler Electric Bicycle, model 20.ETM.30. Please read this manual thoroughly before your first ride and keep it for future reference. Proper understanding of these instructions will ensure optimal performance and longevity of your e-bike.

## 2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations. Regular inspection and maintenance are crucial for safe operation.

- **Pre-Ride Check:** Before each ride, check tire pressure, brake function, battery charge level, and ensure all quick releases are securely fastened.
- **Braking:** Practice braking in a safe area to understand the stopping distance and feel of your brakes.
- **Battery Handling:** Only use the original charger. Do not expose the battery to extreme temperatures or puncture it.
- **Motor Assistance:** Understand how the electric motor assistance works and how to control it. Start with lower assistance levels until you are comfortable.
- **Visibility:** Ensure your bike is equipped with proper lighting for night riding and wear reflective clothing.

## 3. PRODUCT OVERVIEW

The Prophete Graveler 20.ETM.30 is a versatile electric mountain bike designed for adult riders. It features a robust aluminum frame, a powerful AEG SportDrive mid-motor, and a 48V downtube battery for extended range.



Figure 1: Overview of the Prophete Graveler Electric Bicycle.

### Key Features:

- **AEG SportDrive Mid-Motor:** Provides powerful and balanced assistance.
- **AEG Downtube Battery 48V:** Integrated battery design for a sleek look and optimal weight distribution.
- **AEG TFT Display with USB Charging Function:** Clear display of ride data and convenient charging for mobile devices.
- **Suntour Suspension Fork with Lockout Function:** Enhances comfort and control on varied terrain.
- **Range up to 150 km:** Depending on riding conditions and assistance level.
- **10-Speed Gearing:** For efficient pedaling across different gradients.
- **27.5-inch Wheels:** Offering a balance of agility and stability.

## 4. SETUP AND ASSEMBLY

Your Prophete Graveler e-bike may require some final assembly upon delivery. Follow these general steps. If you are unsure, consult a professional bicycle mechanic.

### 4.1 Unpacking and Initial Inspection

1. Carefully remove the bicycle from its packaging.
2. Inspect for any visible damage during shipping. Report any damage immediately.
3. Remove all protective packaging materials.

## 4.2 Handlebar and Stem Adjustment

Ensure the handlebar is correctly aligned with the front wheel and securely tightened. Adjust the stem height to a comfortable riding position.



Figure 2: Handlebar and AEG TFT display for control and information.

## 4.3 Seatpost Adjustment

Adjust the seat height so that your leg is slightly bent at the knee when the pedal is at its lowest point. Ensure the quick-release lever is firmly closed.



Figure 3: Adjusting the seatpost height for ergonomic riding.

## 4.4 Pedal Installation

Identify the left (L) and right (R) pedals. Apply a small amount of grease to the threads and screw them into the crank arms. The right pedal tightens clockwise, the left pedal tightens counter-clockwise. Tighten firmly with a pedal wrench.

## 4.5 Tire Inflation

Inflate tires to the recommended pressure indicated on the tire sidewall. Use a pump with a pressure gauge.

## 4.6 Battery Installation and Initial Charge

Insert the 48V downtube battery into its compartment. Ensure it clicks securely into place. Connect the charger to the battery and a power outlet. Charge the battery fully before the first ride. Refer to the battery manual for specific charging instructions.



Figure 4: Integrated AEG 48V downtube battery.

## 5. OPERATING INSTRUCTIONS

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Understanding how to operate your e-bike's electric system and mechanical components is key to an enjoyable ride.

### 5.1 Powering On/Off

Press and hold the power button on the AEG TFT display to turn the electric system on or off. The display will illuminate, showing battery level, speed, and assistance mode.

### 5.2 Motor Assistance Levels

Use the control buttons on the handlebar to select your desired level of motor assistance. Higher levels provide more power, while lower levels conserve battery life. The display will show the current assistance level.

### 5.3 Gear Shifting

Your e-bike is equipped with a 10-speed drivetrain. Use the shifters on the handlebar to change gears. Shift to a lower gear for climbing hills and a higher gear for flat terrain or descents. Shift smoothly and avoid shifting under heavy load.



Figure 5: Rear derailleur, cassette, and disc brake system.

## 5.4 Braking

The e-bike features disc brakes for reliable stopping power. Apply both front and rear brakes simultaneously for controlled deceleration. Avoid sudden, hard braking, especially with the front brake, to prevent skidding.

## 5.5 Charging the Battery

When the battery level is low, remove the battery or charge it directly on the bike using the provided charger. A full charge typically takes several hours. Do not overcharge the battery.



Figure 6: AEG SportDrive mid-motor providing electric assistance.

## 6. MAINTENANCE

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Regular maintenance ensures the safety, performance, and longevity of your Prophete Graveler e-bike.

- **Cleaning:** Clean your bike regularly with a damp cloth and mild soap. Avoid high-pressure washers, especially near electrical components.
- **Tires:** Check tire pressure before each ride. Inspect tires for wear, cuts, or embedded objects.
- **Brakes:** Regularly check brake pads for wear and brake levers for proper function. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated. This extends its life and ensures smooth shifting.
- **Battery Care:** Store the battery in a cool, dry place. If storing for an extended period, charge it to 50-70% every few months.
- **Fasteners:** Periodically check all bolts and screws for tightness, especially on critical components like the handlebars, stem, and wheels.
- **Professional Service:** It is recommended to have your e-bike professionally serviced at least once a year.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your e-bike. For more complex problems, consult a professional mechanic or Prophete customer support.

## 7.1 No Power to Display/Motor

- Check if the battery is properly installed and fully charged.
- Ensure the power button on the display is pressed and held correctly.
- Inspect all visible cables for damage or loose connections.

## 7.2 Reduced Range

- Verify tire pressure is at the recommended level.
- Consider riding conditions (e.g., headwinds, hills, heavy loads) and assistance level used.
- Ensure the battery is fully charged before each ride. Battery capacity can decrease over time with age and usage.

## 7.3 Shifting Problems

- Check if the chain is clean and lubricated.
- Inspect the derailleur for any visible damage or misalignment.
- Ensure shifter cables are not frayed or stretched.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Prophete
Model Number	20.ETM.30 (also 51650-0311)
Bike Type	Mountain Bike
Age Group	Adult
Service	Unisex Adult
Model Color	Black/Orange
Frame Material	Aluminum
Frame Size	50 Centimeters (RH 50)
Wheel Size	27.5 Inches
Number of Speeds	10
Suspension	Fork Suspension (Suntour with lockout)
Motor	AEG SportDrive Mid-Motor
Battery	AEG Downtube Battery 48V (Included)
Special Features	Rechargeable, USB Charging Function (via display)

Feature	Specification
Included Components	Battery, Charger, Electric Bicycle
Product Dimensions (L x W x H)	192 x 70 x 107 cm
Product Weight	23 Kilograms

## 9. WARRANTY AND SUPPORT

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For warranty information, please refer to the documentation provided with your purchase or visit the official Prophete website. For technical support, spare parts, or service inquiries, please contact Prophete customer service or your authorized dealer. Keep your proof of purchase and model number handy when contacting support.