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> Electric Bicycle Display YL61F Smart LCD Display Meter Dashboard User Manual

mGYDY YL61F

Electric Bicycle Display YL61F Smart LCD Display Meter User Manual

Brand: mGYDY | Model: YL61F

Intelligent LCD Color Screen Meter Panel for Ebike and Scooter Accessories

IMPORTANT COMPATIBILITY NOTE

The YL61F color LCD display operates on specific LCD Display protocols. Different e-bike brands may use varying protocols. To ensure compatibility, it is crucial to verify the correct LCD Display protocol for your e-bike before purchase. If the display protocol does not match your e-bike, the display may not function correctly. Please contact customer service with the information from your old display to confirm compatibility.

If you want to buy this display, please send the number information on the back of your old display to customer service.



Image: Rear view of the YL61F display, highlighting the serial number and model information. This information is essential for verifying compatibility with your e-bike's protocol.

PRODUCT OVERVIEW

The mGYDY YL61F is an intelligent liquid crystal meter designed for electric bicycles, providing essential riding data and control functions. It is built with durable ABS material and features a clear LCD screen for easy readability.



Image: Front view of the YL61F LCD display, illustrating its clear interface with real-time speed, Pedal Assist System (PAS) level, and battery voltage readings.

Give All Metrics You Need

Show every data you need in one page



Image: The YL61F display with key areas labeled, including battery indicator, speed display, headlight icon, PAS level, and the multifunctional data display area.

SPECIFICATIONS

Feature	Detail
Model Number	YL61F
Power Supply	36V/48V
Rated Working Current	15mA
Maximum Working Current	30mA
Shutdown Leakage Current	<1uA
Supply Current to Controller	50mA
Operating Temperature	-200C to 600C
Storage Temperature	-300C to 700C

Material	ABS, LCD
Connector Type	5-pin Waterproof Connector
Color	Black



Image: Technical drawing illustrating the physical dimensions of the YL61F display, including its width (70.2mm) and height (52.7mm).

SETUP AND INSTALLATION

The YL61F display is designed for straightforward installation on your electric bicycle. It features a 5-pin waterproof connector for reliable connection.



Image: A detailed diagram of the 5-pin male waterproof connector, showing the pin assignments (Red: D+, Blue: K, Black: GND, Green: RX, Yellow: TX), alongside the YL61F display.

Installation Process

Follow these steps to install the YL61F display on your e-bike handlebars:

INSTALLATION PROCESS



Computer
Advanced Color LCD Display



Image: A step-by-step visual guide demonstrating the installation of the YL61F display, from mounting the bracket to connecting the waterproof cable and securing the display on the handlebar.

1. Attach the display mounting bracket to your e-bike handlebar.
2. Secure the bracket firmly using the provided screws.
3. Position the display onto the bracket.
4. Connect the 5-pin waterproof cable from the display to your e-bike controller. Ensure the connection is secure.
5. Adjust the display angle for optimal viewing.
6. Verify all connections are tight and the display is stable before riding.

OPERATING INSTRUCTIONS

Power On/Off

- **Power On:** Press and hold the power key. The instrument will activate and turn on the working power of the controller.
- **Power Off:** In the power-on state, long press the power key to turn off the electric vehicle's power supply. When shut down, the meter consumes less than 1uA of leakage current.
- **Automatic Shutdown:** If the e-bike is not used for more than 10 minutes, the meter will automatically

shut down to conserve battery.

Function Overview

The YL61F meter provides a variety of functions to enhance your riding experience:

- Battery level display
- Assisted gear adjustment and indication (PAS levels)
- Speed display (real-time speed, maximum speed, average speed)
- Mileage display (single trip mileage and total mileage)
- Power push control and indication (walk assist mode)
- Headlight control and indication
- Error code display for diagnostics
- Personalized parameter settings (e.g., wheel diameter, speed limit, rated voltage, number of magnets for power sensor, mileage unit, controller current limit)
- Factory default parameter restoration function

MAINTENANCE

The YL61F display is constructed from durable ABS material and features an IP67 waterproof rating, ensuring its resilience against environmental elements. Regular cleaning with a soft, damp cloth is recommended to maintain screen clarity. Avoid using abrasive cleaners or solvents.

IP67 Grade Waterproof



Image: The YL61F display shown with an overlay indicating its IP67 Grade Waterproof rating, signifying its resistance to dust and water immersion.

TROUBLESHOOTING

If you encounter issues with your YL61F display, consider the following:

- **Display Not Powering On:** Ensure the battery is charged and properly connected. Check the 5-pin connector for secure fitment.
- **Incorrect Readings:** Verify that the personalized parameter settings (e.g., wheel diameter) are correctly configured.
- **Error Codes:** The display can show error codes. Refer to your e-bike's controller manual or contact customer service with the specific error code for diagnosis.
- **Compatibility Issues:** As noted in the Important Compatibility Note section, ensure the display's protocol matches your e-bike's system. Incompatibility can lead to non-functionality.

WARRANTY AND SUPPORT

mGYDY provides comprehensive after-sales support for the YL61F display. This includes assistance with installation and a one-year warranty from the date of purchase.

For technical support, warranty claims, or any inquiries regarding your YL61F display, please contact mGYDY customer service through the retailer's platform or the official brand channels. When contacting support, please have your product model (YL61F) and any relevant serial numbers or purchase information ready.

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