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POLGDW POLGDW

POLGDW Household Industrial Electric Cart Instruction Manual

Model: POLGDW

1. INTRODUCTION

Thank you for choosing the POLGDW Household Industrial Electric Small Cart. This electric transport wheelbarrow is engineered for robust performance, offering unparalleled strength and versatility for various tasks, from agricultural use to industrial transport. It features a high-power motor, a strong frame, and an impressive load capacity of up to 400kg (approximately 880 lbs). This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your electric cart.

Please read this manual thoroughly before operating the cart to ensure proper usage and to prevent injury or damage.

2. SAFETY GUIDELINES

Your safety is paramount. Adhere to the following guidelines:

- Always read and understand the entire instruction manual before operating the cart.
- Do not exceed the maximum load capacity of 400kg (880 lbs). Overloading can cause damage to the cart and lead to accidents.
- Ensure the load is evenly distributed and securely fastened to prevent shifting during transport.
- Operate the cart on stable and appropriate terrain. Be cautious on inclines and uneven surfaces.
- Keep hands and feet clear of moving parts, especially wheels and motor components.
- Wear appropriate safety gear, such as gloves and sturdy footwear, when operating the cart.
- Do not allow children or unauthorized personnel to operate the cart.
- Turn off the cart and remove the key when not in use or during maintenance.
- Use only the specified charger for the battery system.
- Inspect the cart for any damage or loose parts before each use.

3. PRODUCT OVERVIEW

The POLGDW Electric Cart is designed for efficiency and durability. Key features include:

- **High-Power Motor:** An 800W copper core motor provides strong power and good heat dissipation for smooth operation.
- **Strong Frame:** Constructed with compression-resistant steel pipe and seamless welding for enhanced durability.
- **Removable Guardrail Design:** Facilitates convenient loading and unloading of various materials.
- **Pneumatic Tires:** Available in standard or widened options, with practical brakes and anti-skid properties for safer operation on inclines.
- **Impressive Climbing Angle:** Capable of climbing angles up to 70 degrees without significant effort.

Key Components and Dimensions

Familiarize yourself with the main parts of your electric cart:



Image: Removable Guardrail Design. This image illustrates the cart's bed with a removable guardrail, highlighting its dimensions: 82cm length, 60cm width, and 24cm depth of the bed. The guardrail is designed for easy installation and removal, enhancing loading

flexibility.

Strong frame, more durable

Paint spray/narrow front and wide rear body



Image: Strong Frame Construction. A close-up view of the cart's blue-painted frame, emphasizing its durable construction. The frame is built to withstand heavy loads and rigorous use, featuring a paint spray finish and a design that is narrow at the front and wide at the rear for stability.

Easy climbing without pressure
Climbing 70°/no need to pull uphill
Loading capacity 800 cattles



Image: Easy Climbing Capability. This image shows the cart positioned on an incline, illustrating its ability to climb up to 70 degrees without requiring manual pulling. It also highlights the 800 cattles (400kg) loading capacity, even on slopes.

Pneumatic wheels with practical brakes
Two tire options/anti-skid tires
Safer up and downhill



Image: Pneumatic Wheels with Brakes. A detailed view showcasing both standard and wide pneumatic tire options. The image highlights the practical brakes and anti-skid tread patterns, designed for enhanced safety when moving uphill or downhill.

High-power copper core motor

Good heat dissipation/strong power

Smooth operation



Image: High-Power Copper Core Motor. A close-up of the cart's 800W copper core motor. This motor is designed for strong power output, efficient heat dissipation, and smooth, reliable operation.

Compression-resistant steel pipe
Solid and strong/seamless welding
Durable



Image: Compression-Resistant Steel Pipe. This image focuses on the structural integrity of the cart, showing the compression-resistant steel pipe frame with solid and strong, seamless welding, ensuring long-term durability.



Image: Overall Cart Dimensions. An illustration of the complete electric cart with key measurements: total length 170cm, width 72cm, handle height 72cm, bed length 100cm, bed width 65cm, and ground clearance 37cm. These dimensions provide a comprehensive understanding of the cart's physical size.

4. SETUP

4.1 Unpacking

- Carefully remove all components from the packaging.
- Check for any shipping damage. If damage is found, contact customer support immediately.
- Verify that all parts listed in the packing list are present.

4.2 Assembly

While the cart may come partially assembled, some components might require attachment:

- **Guardrails:** If the guardrails are not pre-installed, attach them to the cart bed using the provided hardware. Ensure they are securely fastened.

- **Wheels:** Confirm that the pneumatic tires are properly mounted and inflated to the recommended pressure (refer to tire sidewall for pressure).
- **Handles:** Ensure the operating handles are firmly attached and all control cables are routed correctly and not pinched.

4.3 Initial Battery Charge

Before first use, fully charge the battery system:

- Locate the charging port on the cart.
- Connect the charger to the cart and then to a standard power outlet.
- Allow the battery to charge until the charger's indicator light shows a full charge (refer to charger manual for specific indicators).
- Do not overcharge the battery. Disconnect the charger once charging is complete.

5. OPERATING INSTRUCTIONS

5.1 Starting the Cart

- Insert the key into the key switch.
- Turn the key to the 'ON' position. The power indicator (if present) should illuminate.
- Ensure the area around the cart is clear before engaging the motor.

5.2 Loading and Unloading

- Always turn off the cart before loading or unloading materials.
- Distribute the load evenly across the cart bed to maintain balance and stability.
- Secure loose items to prevent them from falling off during transport.
- Utilize the removable guardrails for easier access when loading or unloading bulky items.
- Do not exceed the 400kg (880 lbs) load capacity.

5.3 Driving and Maneuvering

- Grip the handles firmly.
- Gently engage the throttle control (if applicable) or speed selector to start moving.
- Steer by applying pressure to the handles in the desired direction.
- Maintain a safe speed, especially when carrying heavy loads or navigating tight spaces.

5.4 Climbing Inclines

- The cart is designed to handle inclines up to 70 degrees.
- Approach inclines steadily and maintain consistent power.
- Ensure the load is stable before ascending or descending a slope.
- Use caution and maintain control, especially when descending with a heavy load.

5.5 Braking

- Apply the brakes smoothly to slow down or stop the cart.

- Avoid sudden braking, especially with heavy or unstable loads.
- Engage the parking brake (if equipped) when parking on an incline or for extended periods.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your POLGDW Electric Cart.

6.1 Battery Care

- Charge the battery after each use, or at least once a month if not in frequent use, to maintain battery health.
- Store the cart and battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not allow the battery to fully discharge for extended periods.
- If the battery is removable, ensure connections are clean and secure.

6.2 Tire Maintenance

- Check tire pressure regularly and inflate to the recommended PSI (usually found on the tire sidewall).
- Inspect tires for wear, punctures, or damage before each use. Replace damaged tires promptly.
- Keep tires free of debris that could cause punctures or affect traction.

6.3 Frame and Components Inspection

- Periodically inspect the frame for any signs of cracks, bends, or corrosion.
- Check all bolts, nuts, and fasteners for tightness. Tighten any loose hardware.
- Ensure the motor and electrical connections are clean and free from moisture or damage.
- Lubricate moving parts, such as wheel axles and pivot points, as needed with appropriate grease or oil.

6.4 Cleaning

- Clean the cart regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- Remove any dirt, mud, or debris from the wheels, frame, and motor area.
- Ensure the cart is completely dry before storing or recharging.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Cart does not start	Battery low or discharged Key switch off Loose electrical connection	Charge the battery fully Turn key switch to 'ON' Check all visible electrical connections for security
Reduced power or speed	Low battery charge Overload Tire pressure low	Recharge battery Reduce load to within capacity Inflate tires to recommended PSI
Unusual noises during operation	Loose components Debris in wheels/motor Worn bearings	Inspect and tighten all fasteners Clear any debris from moving parts Contact customer support for inspection
Brakes not effective	Brake pads worn Brake cable loose/damaged	Inspect brake pads and replace if worn Adjust or replace brake cable. Contact customer support if unsure.

8. SPECIFICATIONS

The following are the technical specifications for the POLGDW Electric Cart:

Feature	Detail
Product Name	Electric Unicycle (Climbing Cart)
Model Number	POLGDW
Starting Method	Key switch start
Load Capacity	400kg (800 cabbies)
Product Size (Overall)	170cm (Length) x 72cm (Width)
Tire Diameter	40cm
Product Tire Type	Pneumatic tire (Standard or Widened options)
Climbing Angle	Up to 70 degrees
Rotation Method	Chain/Gear drive
Motor	800W copper core motor
Frame Material	Compression-resistant steel pipe
Color	D (Blue)

9. WARRANTY AND SUPPORT

Specific warranty details for the POLGDW Household Industrial Electric Cart are not provided in this manual. For information regarding warranty coverage, claims, or technical support, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.

For any questions or assistance, please refer to the contact information provided at the point of purchase or on the product packaging.