

Rollerhouse DM25CE/L-1.5/32

DM25CE 1.5N 12V Roller Shade Motor User Manual

Brand: Rollerhouse

1. PRODUCT OVERVIEW

The Rollerhouse DM25CE 1.5N 12V Roller Shade Motor is designed to automate existing blinds and shades, offering convenient wireless control. This low-power consumption, low-noise tubular motor features a built-in RF 433 receiver for direct remote control. It is compatible with 1.5-inch Rollease aluminum tubes and can be powered by various 12V sources, including an external lithium battery wand, for a wiring-free solution.



Key Features:

- Low power consumption and low noise 12V DC tubular motor.
- Built-in RF 433 receiver for direct remote control.
- Strong-load lift capacity of up to 12 lbs for shades.
- Compatible with standard 1.5-inch (38mm) Rollease aluminum tubes.
- Multiple power options: 12V Power Adaptor, 12V Battery wand, or 12V 2600mAh rechargeable battery wand (sold separately).
- Enables conversion of manual shades to motorized shades.
- Cordless design for enhanced safety, especially around children and pets.

2. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package:

- DM25CE 12V Roller Shade Motor
- 1-channel Remote Control
- Drive wheel adaptor and crown for 1.5-inch tube

Note: 12V Power Adaptor, 12V Battery wand, 12V 2600mAh rechargeable battery wand, and solar panel are sold separately and are not included in the standard package.



Image: The main components included in the product package: the DM25CE motor and the 1-channel remote control.

3. INSTALLATION AND SETUP

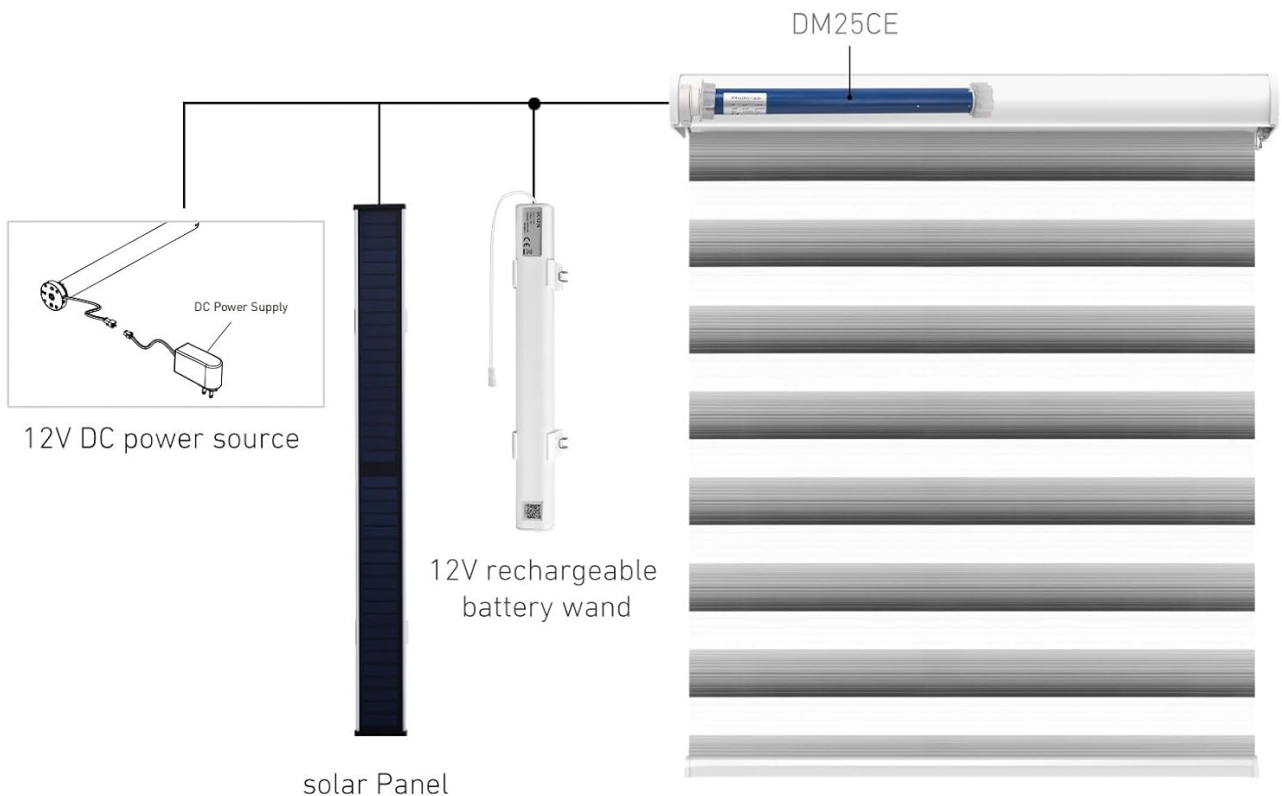
3.1 Power Options

The DM25CE motor offers flexible power solutions:

1. **12V DC Power Source:** Connect directly to a 12V DC power supply (not included).
2. **12V Rechargeable Battery Wand:** Utilize a 12V 2600mAh capacity rechargeable battery wand (not included) for a wireless setup.
3. **Solar Panel:** For windows without easy access to outlets, a solar panel (not included) can provide continuous power to the battery wand.

Control System

Power options



DC motors are powered from

- ① 12V DC power source.
- ② AA Battery wands, re-chargeable battery packs and
- ③ A/C power supplies

Available with a variety of quick connect extension cords

Image: A diagram illustrating the different power supply options for the DM25CE motor, including DC power, solar panel, and rechargeable battery wand.

Control System

Power options

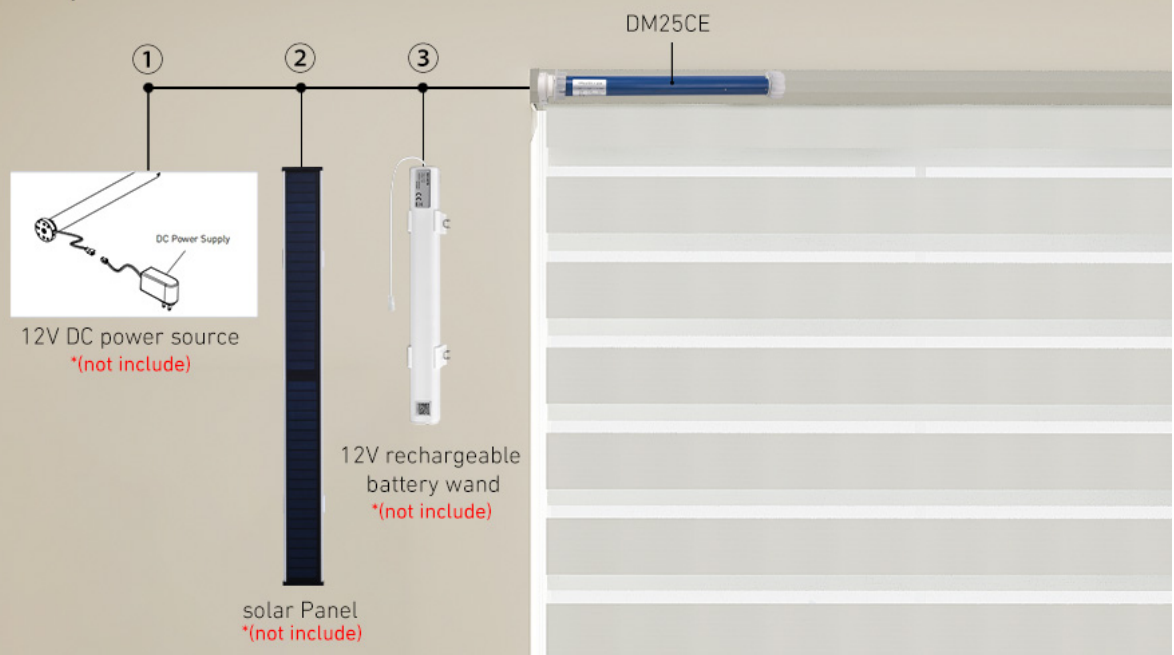


Image: An alternative visual representation of the power options, emphasizing the flexibility of using a 12V power adaptor, 12V AA battery wand, or a rechargeable battery wand.

3.2 Motor and Tube Compatibility

The DM25CE tubular motor is designed to fit into standard 1.5-inch (38mm) Rollease aluminum tubes. Ensure your existing roller blind tube is compatible with these dimensions. The package includes the necessary drive wheel adaptor and crown for proper fitting.

TUBE & ACCESSORIES

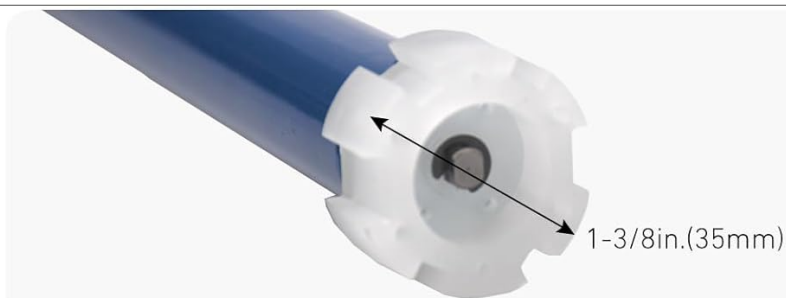
Remarks: For more options, please contact our service consultant

DM25 Motor($\phi 25$)

Motor Tube



Crown
Drive
adaptor



Compatible 1.5in.(38mm)
Shade tube



Image: A detailed view of the DM25 motor, its crown drive adaptor (1-3/8 inch), and a compatible 1.5-inch shade tube, illustrating how they fit together.

3.3 Remote Control Pairing

To operate your motor, you must first pair the remote control. Follow the instructions provided in the video below for a step-by-step guide on connecting the battery wand and pairing the remote.

Video: This video demonstrates how to connect the 12V 2600mAh capacity rechargeable battery wand to the DM25CE motor and the process of pairing the remote control for initial setup and operation.

4. OPERATING YOUR ROLLER SHADE MOTOR

4.1 Basic Remote Control Functions

The included single-channel remote control allows for easy operation of your motorized shades. The remote typically features buttons for Up, Down, and Stop/Pause functions.



Image: The DC2700 single-channel remote control, showing its design and how it can be used to operate shades in a home

environment.

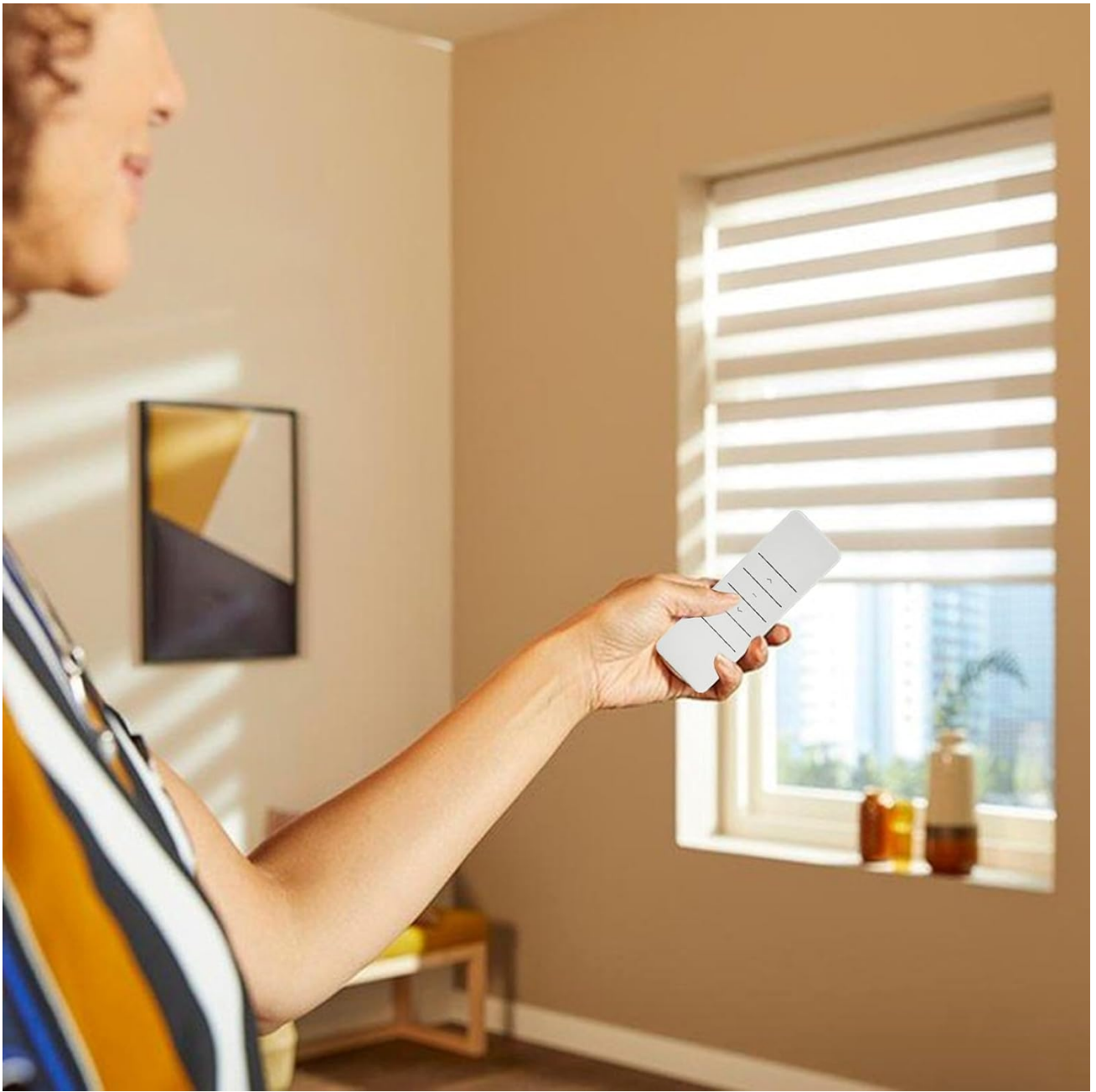


Image: A user demonstrating the operation of the roller shades using the remote control, highlighting the ease of use.

4.2 Smart Home Integration

The DM25CE motor is designed to be compatible with smart home systems such as Alexa and Google Home, allowing for voice control and integration into your smart home routines. Additional smart home hubs or devices may be required for this functionality.



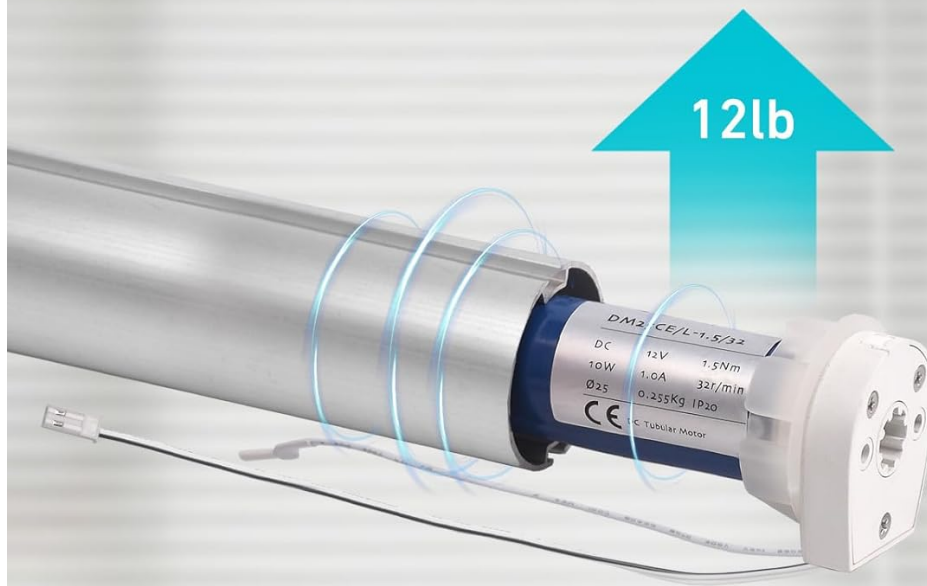
Image: A family scene illustrating the integration of the motorized blinds with smart home assistants like Alexa and Google Home for convenient voice control.

5. PERFORMANCE AND SAFETY

The DM25CE motor is engineered for reliable performance and user safety.

Strong load-Lift heavy shades

Powerful can raise the shades faster and work with heavier shades than 12lbs



≤35-45db



Image: Visual representation highlighting the motor's strong load-lift capacity of 12 lbs and its quiet operation, typically between 35-45dB.

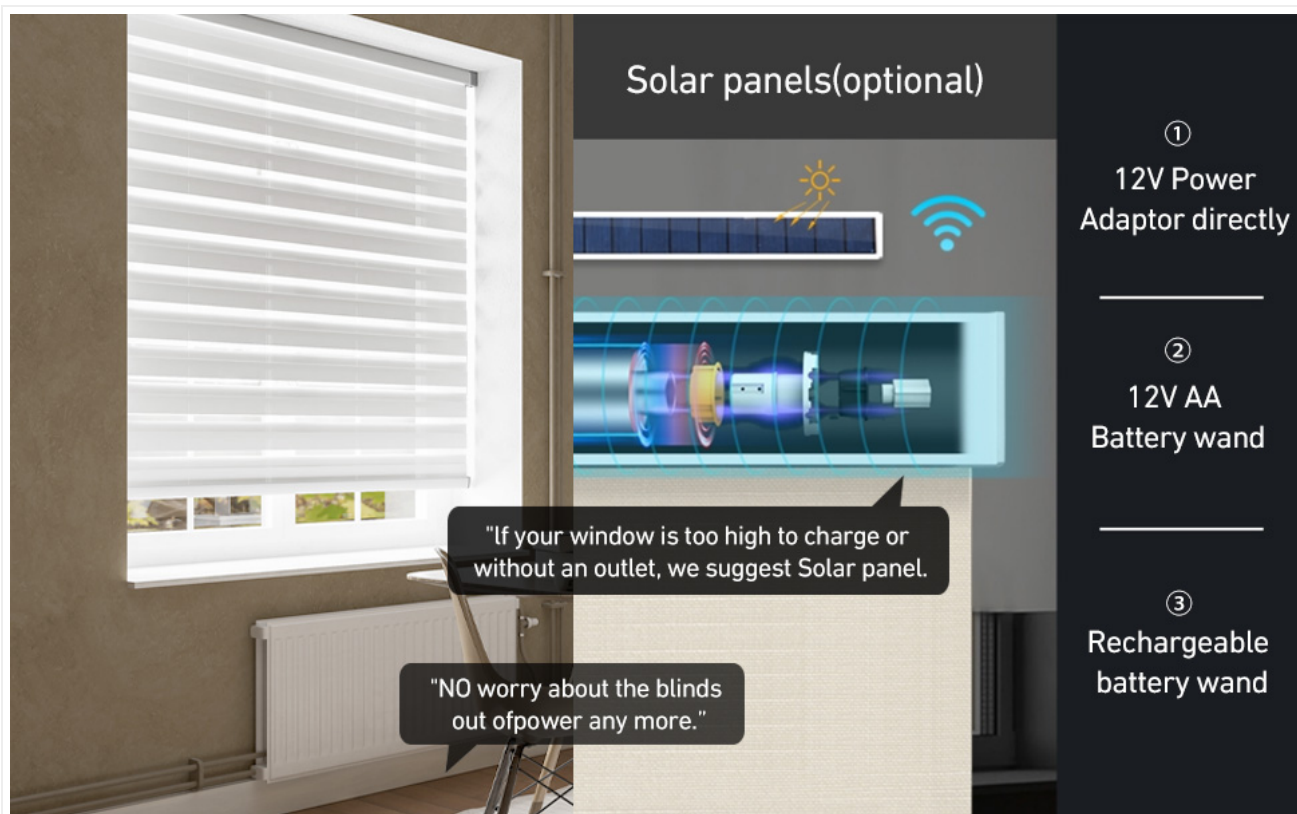


Image: A close-up of the motor illustrating its 1.5N (equivalent to 12lb) strong load-lift capability, indicating its power for raising shades.



Image: This image emphasizes the safety benefits of electric remote control roller blinds, particularly the cordless design for the care of kids and pets, and remote control for greater safety.

6. MAINTENANCE

The DM25CE motor requires minimal maintenance. For cleaning, simply spot clean the exterior of the motor and any visible components with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.

Ensure the motor and its connections remain free from dust and debris to maintain optimal performance.

7. TROUBLESHOOTING

If you encounter issues with your DM25CE motor, please refer to the following common problems and solutions:

- **Motor Not Responding:**

- Check power connection: Ensure the motor is properly connected to its power source (battery wand or power adapter).
- Battery check: If using a battery wand, ensure it is charged.
- Remote battery: Replace the battery in the remote control (CR2450).
- Re-pair remote: Attempt to re-pair the remote control with the motor as per the pairing instructions.

- **Shade Not Moving Smoothly:**

- Obstructions: Check for any physical obstructions preventing the shade from moving freely.
- Tube alignment: Ensure the motor and shade tube are correctly aligned and installed.

- **Remote Control Range Issues:**

- Interference: Minimize potential sources of radio frequency interference.
- Distance: Ensure you are within the effective range of the remote control.

If the issue persists after attempting these solutions, please contact customer support.

8. TECHNICAL SPECIFICATIONS

Detailed specifications for the DM25CE motor:

DM25CE

Electronic Limit, Radio+

1.5Nm 32Rpm

ϕ25

Suitable for max fabric size: 13.8m²
(ϕ38 tube, bottom beam 1kg, fabric 0.5kg/m²)



12V	Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (P)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Length (mm)	Certification
	1.5	32	433	1	10	IP20	∞	>6	-10°C~+55°C	13.8 in	CE FCC-ID

Features

- Switch Direction
 - Stall Protection
 - Built-in Receiver
- Program Button
 - DC power
 - Jog Mode
- Scene Control
 - Smartphone Control
 - Battery Wand Charging

Image: A technical diagram detailing the specifications of the DM25CE motor, including its dimensions, torque, speed, radio frequency, current, power, and working temperature range.

Specification	Value
Model Number	DM25CE/L-1.5/32
Rated Torque	1.5 Nm
Rated Speed	32 Rpm
Radio Frequency	433 MHz
Rated Current	1.0 A
Rated Power	10 W
Degree Of Protection	IP20
Working Temperature	-10°C ~ +55°C
Length	13.8 inches (35 cm)
Item Weight	1.01 pounds


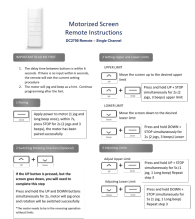

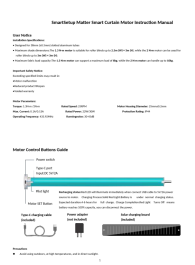

Specification	Value
Fabric Type	Metal+plastic
Manufacturer	Rollerhouse

9. WARRANTY AND CUSTOMER SUPPORT

For warranty information, technical assistance, or any questions regarding your Rollerhouse DM25CE motor, please refer to the product packaging or contact Rollerhouse customer support directly. Contact details can typically be found on the manufacturer's website or the purchase platform.

Please have your model number (DM25CE/L-1.5/32) and purchase details ready when contacting support.

Related Documents - DM25CE/L-1.5/32

	<p>DC1600 DC1602 Transmitter Pairing and Limit Setting Instructions</p> <p>Instructions for pairing and setting limits for DC1600 and DC1602 transmitters with motorized blinds. Covers basic operation, limit setting, and adding new transmitters.</p>
	<p>Rollerhouse DC2700 Remote Instructions for Motorized Screens</p> <p>A comprehensive guide to operating and setting up the Rollerhouse DC2700 single-channel remote for motorized screens, including pairing, limit setting, and troubleshooting.</p>
	<p>Zemismart Smart Tubular Motor Installation & Operation Guide</p> <p>Comprehensive guide for installing and operating Zemismart Smart Tubular Motors (ZM25TQ series). Covers specifications, Tuya App setup, remote pairing, limit settings, motor direction, and resetting procedures for automated blinds and curtains.</p>
	<p>SmartSetup Matter Smart Curtain Motor: Installation, Pairing, and User Guide</p> <p>Comprehensive instruction manual for the SmartSetup Matter Smart Curtain Motor, covering installation, safety notices, motor parameters, pairing with Apple HomeKit, Google Home, and Amazon Alexa, remote control operations, limit settings, and troubleshooting.</p>
	<p>DC Tubular Motor DM25CE/S Series User Manual and Specifications</p> <p>Comprehensive user manual and technical specifications for the Pro Design, LLC DC Tubular Motor, models DM25CE/S-1.1/28 and DM25CE/S-1.1/16. Includes installation, operation, troubleshooting, and safety instructions.</p>



[Dakota Lithium User Manual - Safe & Efficient Battery Operation](#)

Comprehensive user manual for Dakota Lithium LiFePO4 batteries. Covers safety, installation, charging, wiring, troubleshooting, and warranty information for reliable power solutions.