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Blütezeit ME-DC-CB1

Blütezeit Solar Sliding Gate Opener System Expansion Kit

6.6FT DC Link Harness for ME-GO-600 Gate Motor, Solar Controller Integration Module

Product Overview

The Blütezeit Solar Sliding Gate Opener System Expansion Kit, featuring the 6.6FT DC Link Harness, is designed to extend the reach and optimize the placement of your solar panels for the ME-GO-600 gate motor. This kit ensures efficient and stable power transmission, allowing for flexible installation options and improved solar charging performance for your gate opener system.

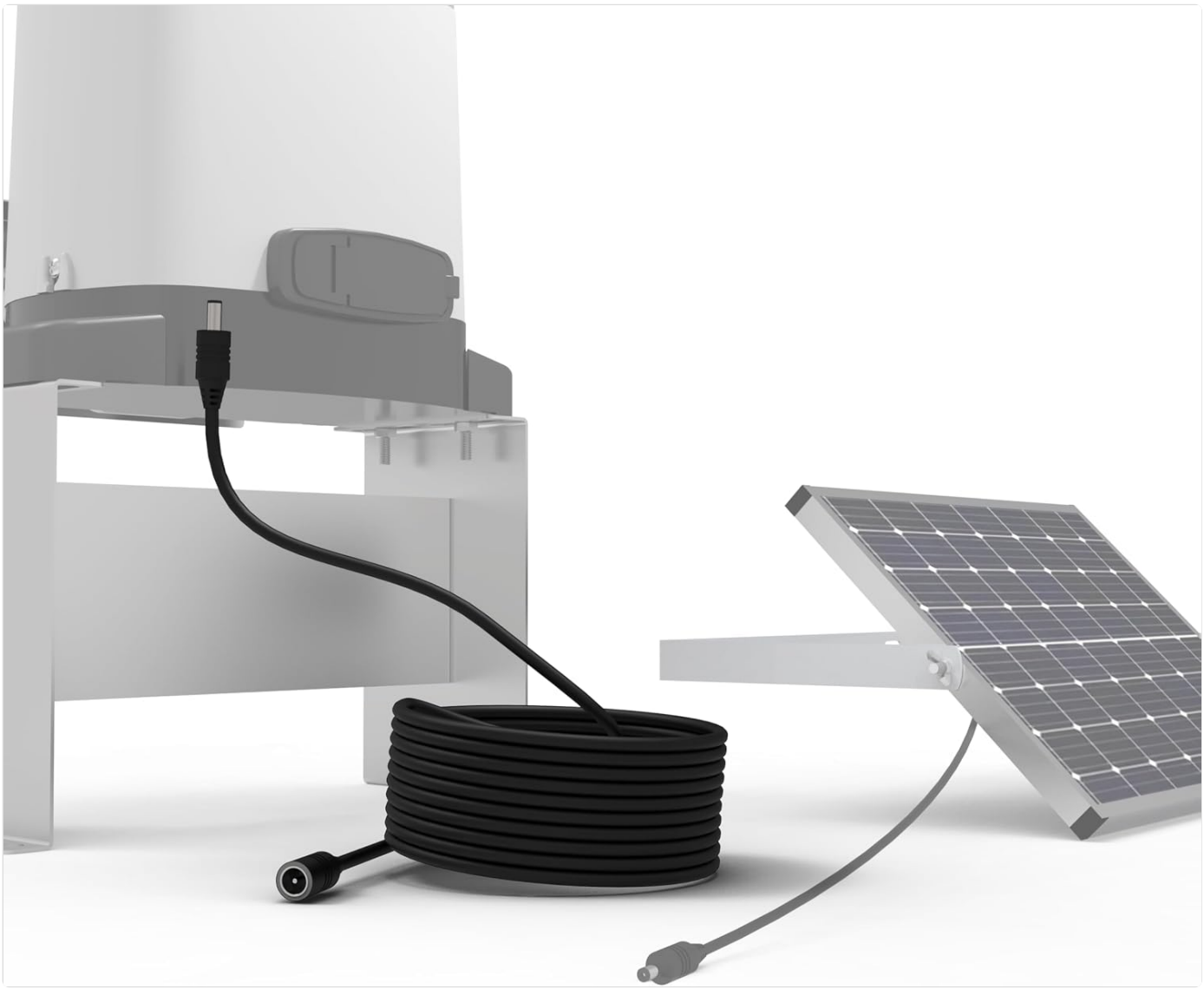


Image: The 6.6FT DC Link Harness connecting a solar panel to the Blütezeit ME-GO-600 gate opener motor, illustrating its primary function in extending solar power reach.

Safety Information

Please read and understand all safety instructions before installing or using this product. Failure to follow these instructions may result in property damage or injury.

- Ensure all power sources to the gate opener system are disconnected before installation or maintenance.
- Use appropriate tools and personal protective equipment during installation.
- Verify that all connections are secure and properly insulated to prevent electrical hazards.
- Do not modify the harness or its connectors. Use only genuine Blütezeit components.
- Keep children and pets away from the gate area during installation and operation.

Package Contents

Verify that all components are present and undamaged before proceeding with installation.

- 1 x Blütezeit 6.6FT DC Link Harness (Model: ME-DC-CB1)

Setup and Installation

This section outlines the steps for integrating the 6.6FT DC Link Harness into your existing Blütezeit ME-GO-600 solar gate opener system.

1. **Prepare the System:** Ensure the Blütezeit ME-GO-600 gate opener motor and its associated solar panel are already installed and powered off. Disconnect any existing power connections to the gate motor for safety.
2. **Identify Connections:** Locate the DC input port on your ME-GO-600 gate motor and the DC output port on your solar panel or solar controller. The 6.6FT DC Link Harness features a male DC5521 connector and a female DC5521 connector.
3. **Connect to Solar Panel/Controller:** Take the female end of the 6.6FT DC Link Harness and connect it securely to the male DC output connector of your solar panel or solar charge controller. Ensure a firm connection.



Image: Detail of the DC5521 female connector, compatible with Blütezeit solar panel interfaces.

4. **Connect to Gate Motor:** Take the male end of the 6.6FT DC Link Harness and connect it securely to the DC input port on your Blütezeit ME-GO-600 gate motor. Ensure a firm connection.



Image: Detail of the DC5521 male connector, compatible with the solar input port of Blütezeit DC gate openers.

5. **Route the Cable:** Carefully route the 6.6FT DC Link Harness to avoid kinks, sharp edges, or areas where it could be pinched or damaged. Secure the cable using appropriate cable ties or clips if necessary, ensuring it does not interfere with the gate's movement.

6. **Verify Connections:** Double-check all connections to ensure they are tight and correct.
7. **Restore Power:** Once all connections are secure, restore power to your gate opener system. The solar panel should now be able to charge the gate opener's battery through the extended harness.

Operation

The 6.6FT DC Link Harness operates passively as an extension cable within your solar gate opener system. Once properly installed, it facilitates the transfer of power from your solar panel to the ME-GO-600 gate motor's charging system. Its primary function is to provide the necessary length to position your solar panel optimally for maximum sunlight exposure, thereby enhancing the efficiency of your solar charging setup.
No direct user interaction is required with the harness itself during normal operation. The gate opener system will automatically manage power intake from the solar panel via this cable.

Maintenance

Regular maintenance of the 6.6FT DC Link Harness ensures its longevity and optimal performance:

- **Visual Inspection:** Periodically inspect the entire length of the cable and its connectors for any signs of wear, fraying, cuts, or damage. Check for corrosion on the metal contacts of the connectors.
- **Cleanliness:** Keep the connectors free from dirt, dust, and moisture. Use a dry, clean cloth to wipe them if necessary. Do not use abrasive cleaners or solvents.
- **Secure Connections:** Ensure that both the male and female connectors remain securely plugged in. Loose connections can lead to power loss or intermittent operation.
- **Environmental Protection:** Although designed for outdoor use, avoid exposing the cable to extreme physical stress, prolonged standing water, or direct impact from heavy objects.
- **Pest Control:** Protect the cable from rodents or other pests that might chew on the insulation.

If any damage is observed, replace the harness immediately to prevent potential electrical hazards or system malfunction.

Troubleshooting

This section addresses common issues related to the 6.6FT DC Link Harness.

Problem	Possible Cause	Solution
Gate opener not charging via solar panel.	◦ Loose or disconnected harness. ◦ Damaged harness. ◦ Solar panel not receiving enough sunlight. ◦ Issue with solar panel or gate opener's charging circuit.	◦ Check both ends of the 6.6FT DC Link Harness to ensure they are securely connected. ◦ Inspect the harness for visible damage (cuts, kinks, corrosion). Replace if damaged. ◦ Ensure the solar panel is clean and positioned to receive maximum direct sunlight. ◦ If the harness is intact and connected, consult the ME-GO-600 gate opener manual for further troubleshooting of the solar charging system.

Problem	Possible Cause	Solution
Intermittent power supply to gate opener.	◦ Loose connection at either end of the harness. ◦ Internal damage to the cable not visible externally.	◦ Firmly re-seat both connectors of the harness. ◦ If the issue persists, the harness may have internal damage. Consider replacing it.

Specifications

Detailed technical specifications for the Blütezeit 6.6FT DC Link Harness:

- **Model Number:** ME-DC-CB1
- **Compatibility:** Specifically designed for Blütezeit ME-GO-600 Sliding Gate Opener Motor systems.
- **Cable Length:** 6.6FT (2 meters)



Image: The 6.6FT DC Link Harness coiled, indicating its total length, which allows for extended solar panel connection.

- **Connector Type:** Dual-port DC link harness (5.5mm x 2.1mm DC barrel connectors).
- **Wire Gauge:** 18AWG (American Wire Gauge)

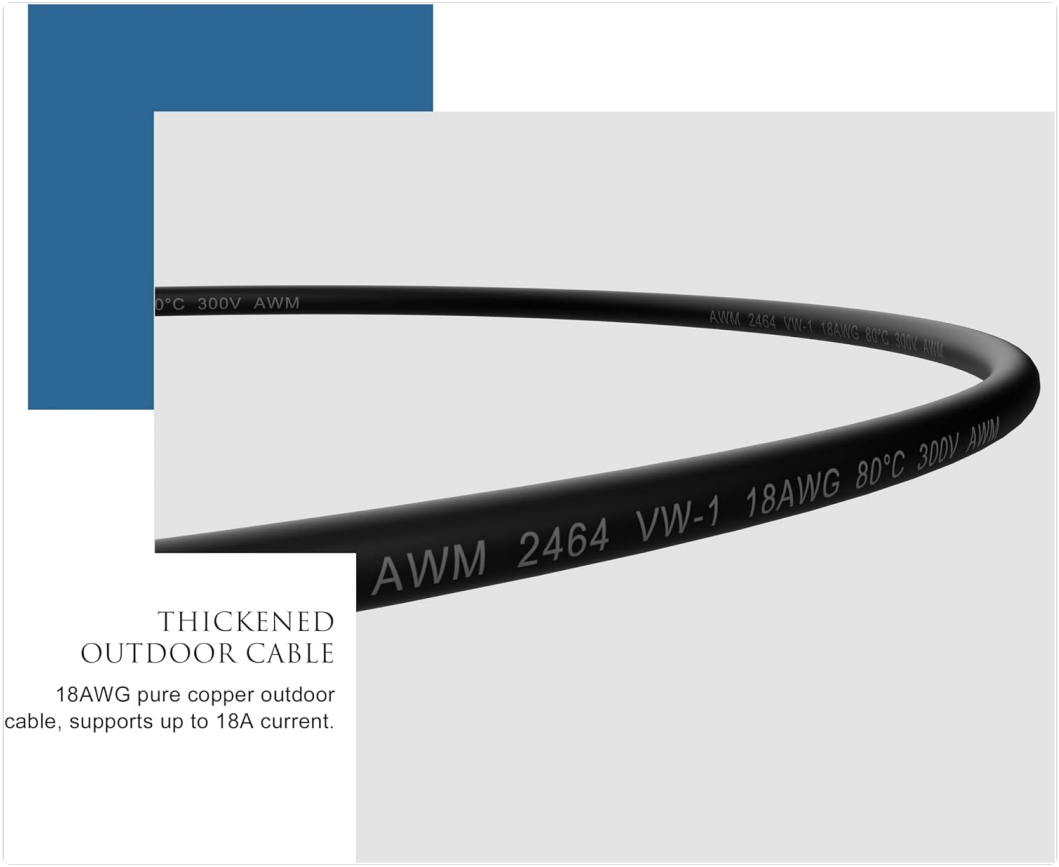


Image: Close-up of the thickened outdoor cable, indicating its 18AWG pure copper construction, supporting up to 18A current.

- **Material:** Pure copper wiring for high conductivity and efficient energy transfer.
- **Color:** Black
- **Weather Resistance:** Built for outdoor use, designed to withstand various weather conditions.
- **Product Dimensions:** Approximately 6.6 feet (length) x 0.08 inches (diameter) x 0.22 inches (connector width).
- **Item Weight:** Approximately 4 ounces.

Warranty and Support

Blütezeit products are manufactured with quality and durability in mind. For specific warranty details regarding your 6.6FT DC Link Harness or the ME-GO-600 gate opener system, please refer to the warranty information provided with your original gate opener purchase or visit the official Blütezeit website.
For technical support, troubleshooting assistance, or replacement parts, please contact Blütezeit customer service. Contact information can typically be found on the product packaging or the brand's official website.
Online Resources: For additional information and support, you may visit theBlütezeit Store on Amazon.

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Model: ME-DC-CB1

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