Blütezeit ME-GO-600-RS1

Blütezeit 1400lb Sliding Gate Opener

Instruction Manual

Product Overview

This manual provides detailed instructions for the installation, operation, and maintenance of your Blütezeit 1400lb Sliding Gate Opener. This advanced system features a powerful 280W motor, integrated solar power support, a built-in lithium-ion battery for backup, and smart WiFi control capabilities. Designed for gates up to 1400 lbs, it ensures smooth, quiet, and secure operation for residential and commercial properties.

Figure 1: Complete Blütezeit 1400lb Sliding Gate Opener Kit, including the motor unit, solar panel, remote controls, infrared sensor, and rack gears.

Setup and Installation

Careful installation is crucial for optimal performance and safety. Please follow these steps precisely.

1. Motor Unit Installation

The main motor unit houses the powerful 280W motor and a high-capacity DC24V 6.0Ah lithium-ion battery, providing reliable operation and backup power. Ensure the mounting surface is stable and level.

Solar

Solar pannel capability

This table and map illustrate the number of gate operations (or the percentage of battery charge) achievable per day in specific regions using 20 to 25 watts of solar charging power. (20W is the standard configuration, while 25W is optional.)

The figures represent winter conditions (lowest sunlight) and do not account for the use of any accessories, such as Wi-Fi modules or infrared sensors.

|	Zone 1	Zone 2	Zone 3
20W Solar Charger	14(+46%)	18(+60%)	20(+70%)
25W Solar Charger	23(+80%)	30(+100%)	36(+100%)

ZONE 1
ZONE 2
ZONE 3
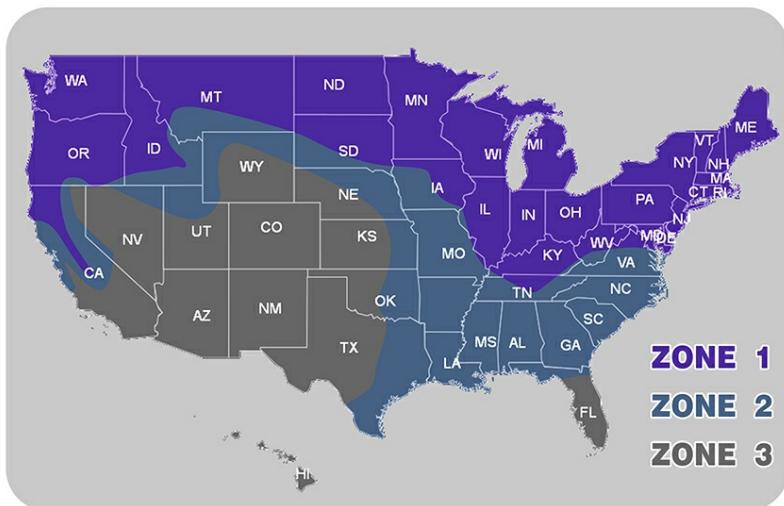
Figure 2: Internal view of the motor unit, highlighting the robust lithium-ion battery for extended standby time.

2. Rack Gear Installation

The rack-driven system ensures smooth and quiet gate movement. The kit includes 13.12ft of durable rack gears. For longer gates, additional racks can be purchased and installed.

Figure 3: Close-up of the high-strength steel rack gears, designed for durability and smooth transmission.

3. Magnet Switch Setup

Two magnet switches are provided to accurately detect the open and closed positions of the gate, ensuring precise operation.

Figure 4: The two magnet switches, crucial for accurate gate position detection and reliable operation.

4. Infrared Sensor Installation

For enhanced safety, the infrared sensor detects obstacles in the gate's path, stopping and reversing the gate to prevent accidents.
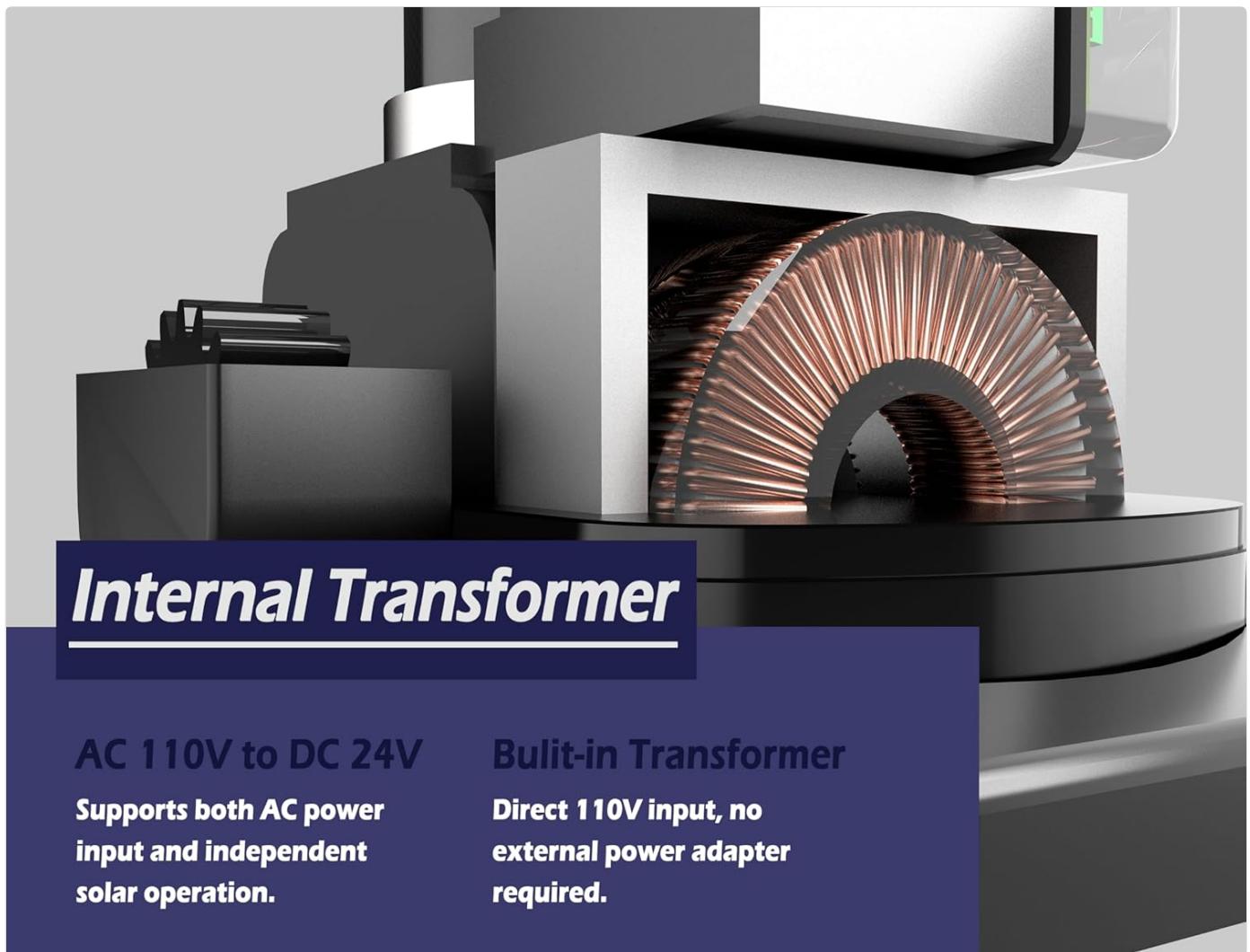
Figure 5: The infrared sensor, which provides an essential safety feature by detecting obstructions.

5. Solar Panel Connection

The upgraded 32V 20W solar panel provides a sustainable and cost-effective energy solution. It connects directly to the motor unit for plug-and-play installation.

Figure 6: The 20W solar panel, demonstrating its direct connection to the gate opener for continuous power.

Operating Instructions

1. Remote Control Operation

Two remote controls are included for convenient everyday use, offering a range of up to 165 feet. Each remote uses 12V 27A batteries (included).

2. Smart WiFi Control (eWeLink App)

The built-in WiFi module allows seamless control via the "eWeLink" App on your smartphone. The app supports scene creation, scheduling, and multi-user access.
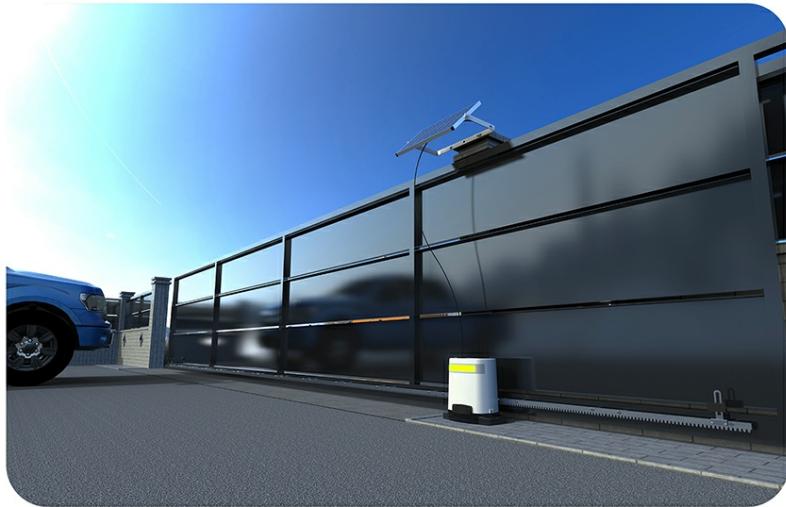
Extendable for long-gate

Long-gate compatibility

Equipped with a powerful motor, this gate opener ensures sustained, reliable performance over extended periods. Its robust design accommodates a wide range of long gates, delivering consistent operation and durability for diverse applications.

Gear rack extension

The kit includes a 13.12 feet gear rack, suitable for standard installations. For longer gates, simply purchase additional gear racks to extend the system, ensuring seamless operation and adaptability to various gate lengths.

Figure 7: The eWeLink app interface, showing remote control and status monitoring capabilities for the gate opener.

The system is also compatible with Amazon Alexa, Apple Siri, and Google Assistant for voice control and integration into your smart home ecosystem.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the solar power, app control, and battery backup features of the Blütezeit gate opener.

3. Auto-Close & LED Status Indicator

You can set the auto-close time from 1 to 60 seconds. The built-in LED indicator shows the gate's status: green for open, red for closed.

Figure 8: The gate opener's LED indicator, clearly showing the operational status with different colors.

Maintenance

Regular maintenance ensures the longevity and reliable operation of your gate opener.

- **Cleanliness:** Keep the rack gears and the area around the motor free from debris, dirt, and leaves.
- **Lubrication:** Periodically check and lubricate the rack gears and any moving parts as recommended in the detailed product guide (not included here).
- **Battery Check:** Monitor the battery status via the eWeLink app or the LED indicator. Ensure the solar panel is clean for efficient charging.
- **Sensor Alignment:** Verify that the infrared sensors are clean and properly aligned to ensure safety features function correctly.

Troubleshooting

If you encounter issues, refer to this section for common problems and solutions.

Problem	Possible Cause	Solution
Gate not opening/closing	Power interruption, remote battery dead, sensor obstruction, magnet switch misalignment.	Check power supply/battery, replace remote batteries, clear sensor path, realign magnet switches.
Gate stops unexpectedly	Obstruction detected by infrared sensor, motor overheating.	Remove obstruction, allow motor to cool down.
Remote control not working	Dead battery, out of range, remote not paired.	Replace battery, move closer to the gate, re-pair remote according to pairing instructions.
WiFi control issues	No internet connection, incorrect app settings, WiFi signal weak.	Check internet, verify app settings, improve WiFi signal strength near the unit.

Specifications

Feature	Detail
Brand	Blütezeit
Model Number	ME-GO-600-RS1
Item Weight	43.7 pounds
Product Dimensions	11.9 x 8.3 x 10.7 inches
Max Gate Weight	1400 lbs
Motor Power	280W
Battery Type	DC24V 6.0Ah Lithium-Ion (built-in)
Solar Panel	32V 20W
Rack Length	13.12 ft (8 x 1.64ft sections)
Operating Temperature	-13°F to 131°F
Noise Level	<45dB
Included Components	1×Gate Opener, 1×20W Solar Panel, 2×Remote Controls, 2×Manual Keys, 1×Infrared Sensor, 8×1.64ft Racks, 1×Installation Kits, 1×User Manual

Warranty and Support

Blütezeit products undergo strict quality checks to ensure durability and performance. For any technical assistance or issues during installation and operation, please contact Blütezeit professional support.

Figure 9: Blütezeit offers professional and comprehensive technical assistance.

For more information, visit the official Blütezeit Store:Blütezeit Store

Related Documents - ME-GO-600-RS1

	King Gates Dynamos Automatic Gate Opener Installation and Operation Manual A comprehensive guide to installing and operating the King Gates Dynamos automatic gate opener. This manual provides detailed instructions, safety warnings, technical specifications, and troubleshooting tips for various Dynamos models.
	Merlin Slide 600 Gate Opener Quick Reference Guide A quick reference guide for the Merlin Slide 600 gate opener (MGSK600 / MGSK600-LV), covering installation, setup, and programming.
	King Gates Dynamos Automatic Gate Operator: Installation and Technical Guide Comprehensive guide for installing and operating the King Gates Dynamos series of automatic gate operators. Includes technical specifications, safety warnings, and step-by-step installation instructions for various models.
	BFT Deimos Ultra BT A 400/A 600 Sliding Gate Operator Manual Installation and user manual for BFT Deimos Ultra BT A 400 and A 600 automatic sliding gate operators. Covers setup, operation, and programming for rack sliding gates.

	[Blütezeit Sliding Gate Opener User Manual](#) Comprehensive user manual for Blütezeit Sliding Gate Openers (1800/2700/4000/5300 LB models). Covers installation, operation, maintenance, and troubleshooting.
	[BFT Deimos Ultra BT A400/A600 Sliding Gate Actuator Installation Manual](#) Installation and user manual for BFT Deimos Ultra BT A400 and A600 rack sliding gate actuators. Covers setup, programming, and operation for reliable gate automation.