

TOPENS A3S

TOPENS A3S Automatic Solar Single Swing Gate Opener User Manual

Model: A3S

1. INTRODUCTION AND OVERVIEW

The TOPENS A3S Automatic Solar Single Swing Gate Opener is designed for light-duty single swing gates, capable of operating gates up to 12 feet in length or 300 pounds in weight. This system provides automated gate access, enhancing convenience and security for residential, courtyard, ranch, or farm applications. The A3S model is equipped with a stable 24VDC 30W motor and features quiet operation.

TOPENS has over 25 years of experience in the gate automation industry, focusing on safe, reliable, and smart gate operator systems.



Image 1.1: TOPENS A3S Automatic Solar Single Swing Gate Opener Kit.

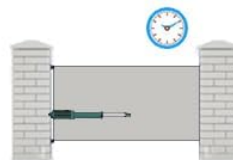
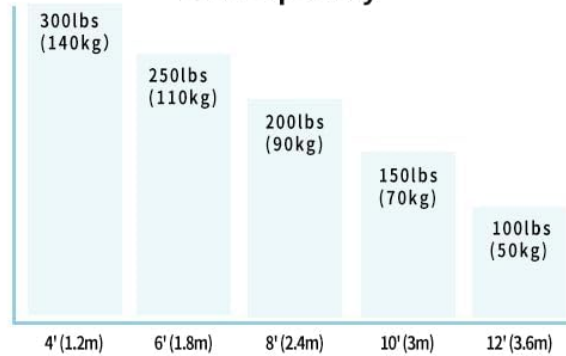
Why choose TOPENS ?

OVER 25 YEARS of experience specialized in gate automation industry, **TOPENS** has become one of the well-known and trusted consumer brands in North America.

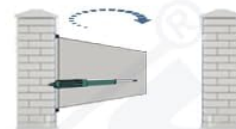
Advanced technology to deliver safe, smart and reliable products, providing the **HIGH-QUALITY** gate openers & accessories with **LONG-LASTING** performance.

LIFE-TIME tech support. You will have an **EXCLUSIVE** customer support representative to assist you with all of your questions.

Gate Capability



Self-closing Setting



Soft Start & Soft Stop



Obstacle Adjusting



TOPENS Advanced Security Code



Gate Swing In
Pull-to-open Installation Mode



Gate Swing Out
Push-to-open Installation Mode

Image 1.2: Key features of the TOPENS A3S gate opener.

2. SAFETY INFORMATION

The TOPENS A3S gate opener incorporates several safety features to ensure secure operation:

- **Advanced Security Code:** Remote controls utilize TOPENS code technology for protection against unauthorized access.
- **Electromagnetism Limit Switch:** A reliable limit switch is easily adjustable for precise gate positioning.
- **Stop-and-Reverse Function:** This feature detects obstacles during gate operation, causing the gate to stop or reverse to prevent damage or injury.
- **Manual Release Key:** A manual release key is included for emergency gate operation during power outages.
- **Soft Start and Soft Stop:** This function ensures smooth gate movement, reducing wear and tear on the motor and extending its lifespan.

Always ensure the gate area is clear of people, pets, and objects before and during gate operation. Do not allow children to play near the gate or operate the remote controls.

3. SPECIFICATIONS

Specification	Detail
Manufacturer	TOPENS
Model Number	A3S
Item Weight	28.8 pounds
Product Dimensions	33.7 x 3.3 x 4.1 inches
Max Gate Weight	300 lbs
Max Gate Length	12 ft
Power Source	Battery & Solar
Voltage	24 Volts
Wattage	30 watts
Horsepower	0.04 Horsepower
Amperage Capacity	1.5 Amps
Sound Level	50 dB
Cord Length	1.5 Meters
Included Batteries	4 CR2 batteries (for remotes)
Battery Cell Type	Lithium Metal
Special Features	Easy to Install
Included Components	Full Set of Required Installation Hardware

STRONG POWERFUL MOTOR

Easy DIY Installation with Assembly Parts Included



Image 3.1: Internal components and key features of the A3S motor.




			
	A3S	A5S	A8S
Performance	Light Duty	Medium Duty	Heavy Duty
Gate Capabilities	12ft or 300lbs	16ft or 550lbs	18ft or 880lbs
Motor Voltage & Power	24VDC & 30W	24VDC & 50W	24VDC & 80W
Recommended Power Supply Mode	2 x 12V Battery (NOT Incl.)	2 x 12V Battery (NOT Incl.)	2 x 12V Battery (NOT Incl.)
Battery as Power Source	Main Power Source	Main Power Source	Main Power Source
Solar Compatible	✓ (Incl.)	✓ (Incl.)	✓ (Incl.)
# of Remote Controls Included	2	2	2
Compatible Accessories	All the TOPENS Accessories	All the TOPENS Accessories	All the TOPENS Accessories
Arm Dimension	33.7 x 3.3 x 4.1" (855 x 84 x 104 mm)	33.7 x 3.3 x 4.1" (855 x 84 x 104 mm)	33.7 x 3.3 x 4.1" (855 x 84 x 104 mm)

Image 3.2: Comparison of TOPENS gate opener models.

4. SETUP AND INSTALLATION

The TOPENS A3S gate opener is designed for straightforward installation, requiring only basic tools. Detailed step-by-step guidance is available in the comprehensive user manual provided with the product and through online installation videos.

4.1 Power Modes

The A3S kit is designed for energy conservation and offers flexible power options:

- **Solar Power:** Includes 2 x 10W Solar Panels and a Solar Charge Controller. Requires 2 x 12V 12Ah automotive/marine type batteries (not included).
- **AC Electricity:** Can be powered by AC electricity using a DPS180-U AC-DC Power Supply (not included) or UPS01 adapter (not included).
- **Battery Backup:** Supports battery backup for continuous operation during power interruptions.

Support All the Power Modes

— Flexible & Durable Ways for Your Selection



AC Electricity



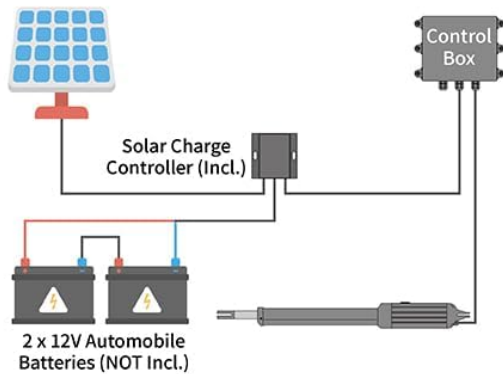
Battery



Solar Panels

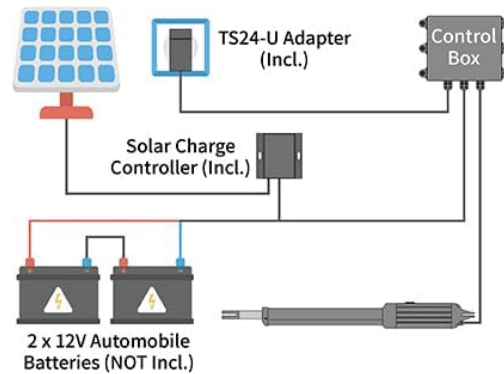
Power Mode 1

By Solar Panels and Batteries



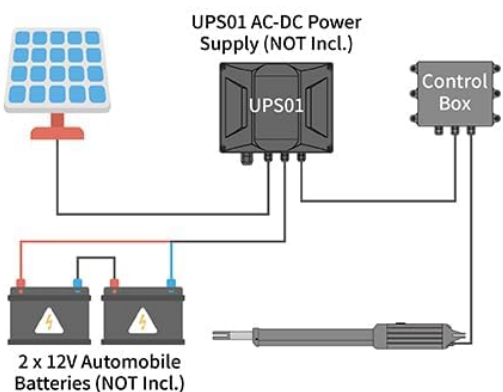
Power Mode 2

By the Adapter, Solar Panels and Batteries



Power Mode 3

By Solar Panels and Batteries



Power Mode 4

By AC Electricity, Solar Panels and Back-up Batteries

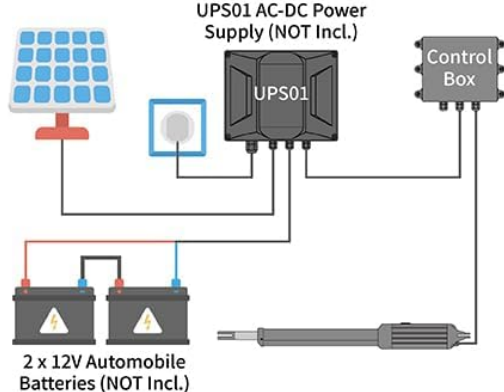


Image 4.1: Various power configuration options for the A3S gate opener.

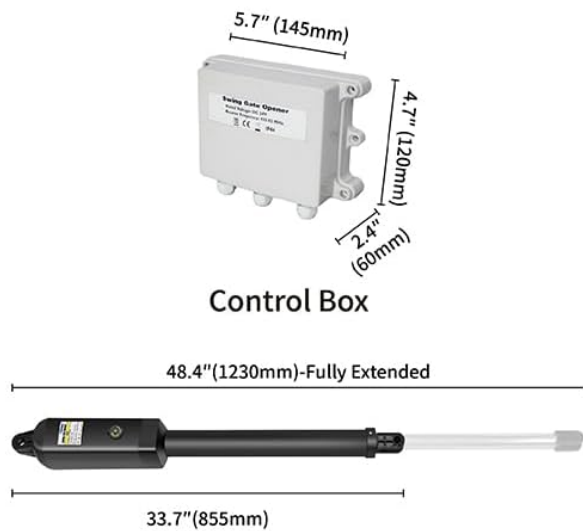
4.2 Gate Opening Direction

The A3S is compatible with various single swing gate types and can be configured for either pull-to-open (gate swings inward) or push-to-open (gate swings outward) installations, based on user preference and gate design.

4.3 Dimensions and Wiring Diagram

Refer to the following diagram for product dimensions and a general wiring overview, including optional accessories.

Dimensions



Customer Support

Visit TOPENS website for the user manual & installation video. Enjoy our customized tech support service. Your exclusive customer support specialist will help you get professional & timely solution.

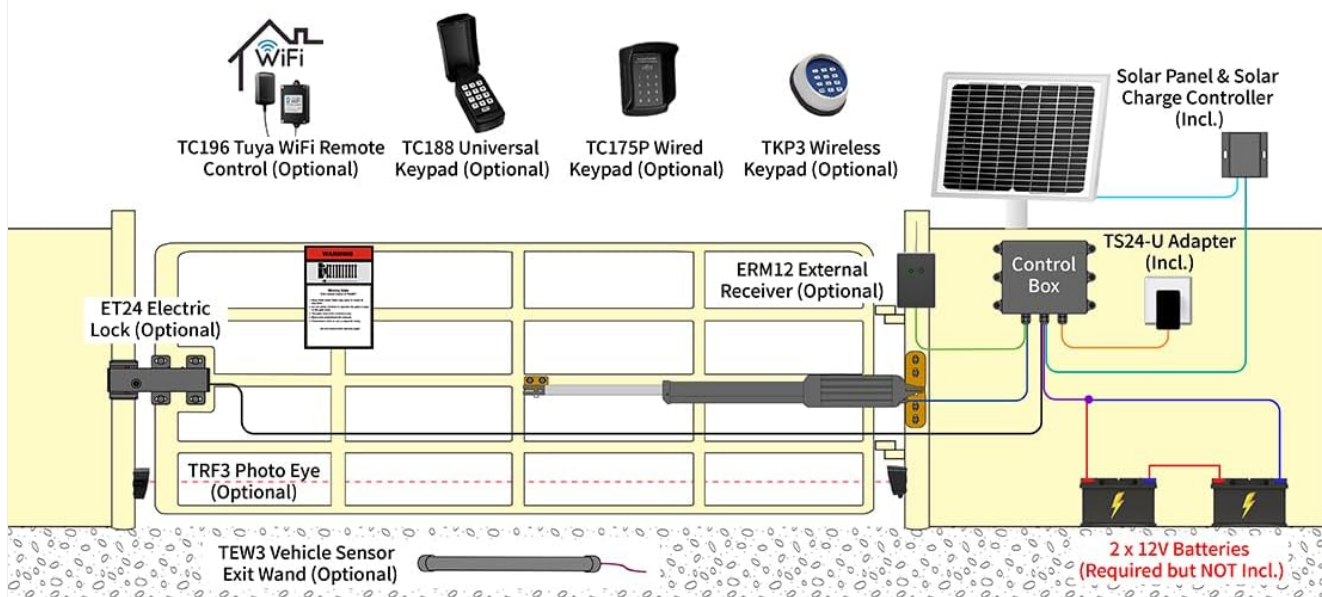


Image 4.2: Dimensions and wiring diagram for the A3S system.

5. OPERATING INSTRUCTIONS

Operating the TOPENS A3S gate opener is simple and convenient.

5.1 Remote Control Operation

To open or close the gate, simply press the corresponding button on the remote control. The gate will automatically initiate its movement sequence.

ENJOY YOUR SWING GATE OPENER

Simply press the remote button, the gate will open automatically



Image 5.1: Remote control operation of the gate opener.

5.2 Key Features in Operation

- **Auto-Close Function:** The gate can be programmed to close automatically after a set period, securing your property after entry or exit.
- **Soft Start and Soft Stop:** Ensures smooth acceleration and deceleration of the gate, reducing mechanical stress and noise.
- **Obstacle Detection:** The system is designed to detect obstructions in the gate's path and will stop or reverse to prevent damage.
- **Manual Release:** In case of power failure, the gate can be manually disengaged using the provided release key.

6. MAINTENANCE

To ensure the longevity and optimal performance of your TOPENS A3S Automatic Solar Single Swing Gate Opener, regular inspection and basic maintenance are recommended. While specific maintenance schedules are detailed in the full product manual, general practices include:

- Periodically check all mounting hardware for tightness.

- Inspect the gate and hinges for proper alignment and smooth movement.
- Keep the area around the gate and opener clear of debris and vegetation.
- Ensure solar panels are clean and free from obstructions to maximize charging efficiency.

7. TROUBLESHOOTING

If you encounter any issues with your TOPENS A3S gate opener, refer to the detailed troubleshooting guide in the complete user manual. Common issues and their resolutions are typically covered there. For complex problems or issues not resolved by the manual, it is recommended to contact TOPENS customer support for assistance.

8. WARRANTY AND SUPPORT

All TOPENS products, including the A3S Automatic Solar Single Swing Gate Opener, come with a **12-month warranty** against manufacturing defects. Additionally, TOPENS offers a 30-day exchange and return policy.

For comprehensive support, including the full user manual, installation videos, and personalized service, please visit the official TOPENS website. Their technical support team is available to provide professional solutions for any questions or assistance you may require.



Image 8.1: TOPENS customer support.