



# The World's First All-Season, All-In-One Electric Remote-Controlled Lawn Mowing Robot.

Specifically built to handle tricky slopes, tough grass, and large yards with ease and efficiency.



Cutting Width / Cutting Torque  
**21 Inch Blade/6.0 FT.LB**



Up to  
**85% Slope**



2-IN-1 Mowing & Leaves Vacuum  
**Auto Dumping**



Transportable  
**Portable for Multiple Lawns**



Battery Runtime  
**2.25 H & 1500 Cycle**



Smart & Safe  
**Obstacle Avoidance**

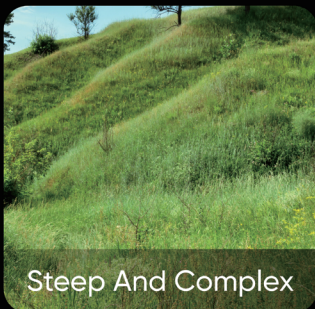




Flat



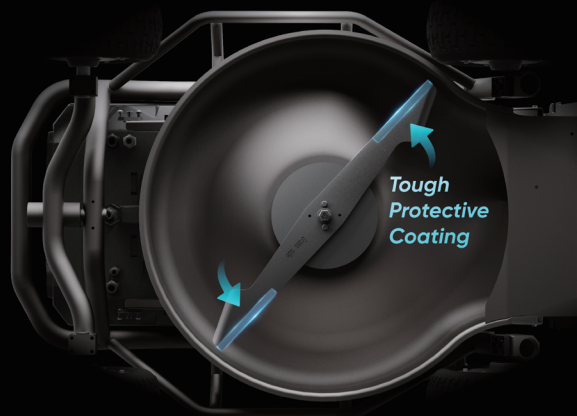
Uneven But Not Steep



Steep And Complex

### Applicable Grass Condition

## Mow Like A Beast



**21-inch**  
Cutting blade

**3.8-10.9 cm**  
Cutting height

**6.0 ft-lbs**  
Cutting torque

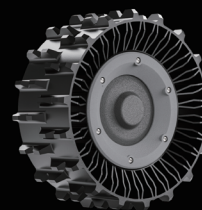


Wide Tires

85% Slope

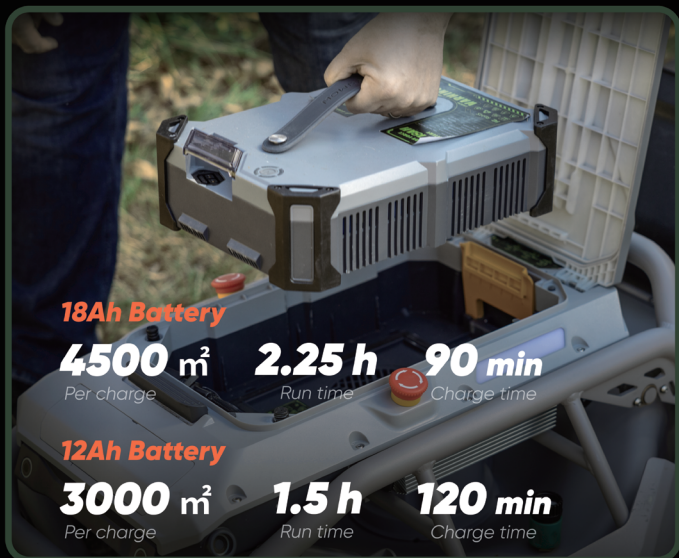
## Conquer The Slope With Ease

- Boosts climbing ability to 85%, enhanced traction and stability on slopes or uneven terrain.
- Durable wear-resistant material, built for long-lasting use



Airless Tire

Use in combination, can be achieved **100%** Slope



**18Ah Battery**

**4500 m<sup>2</sup>**  
Per charge

**2.25 h**  
Run time

**90 min**  
Charge time

**12Ah Battery**

**3000 m<sup>2</sup>**  
Per charge

**1.5 h**  
Run time

**120 min**  
Charge time

## 18Ah LiFePO4 Battery, Long Life Battery

Mowrator S1 Lawn Mower

**1500** Charge Cycle

Traditional Robot Lawn Mower

**500** Charge Cycle



0.1 Acres/Hour

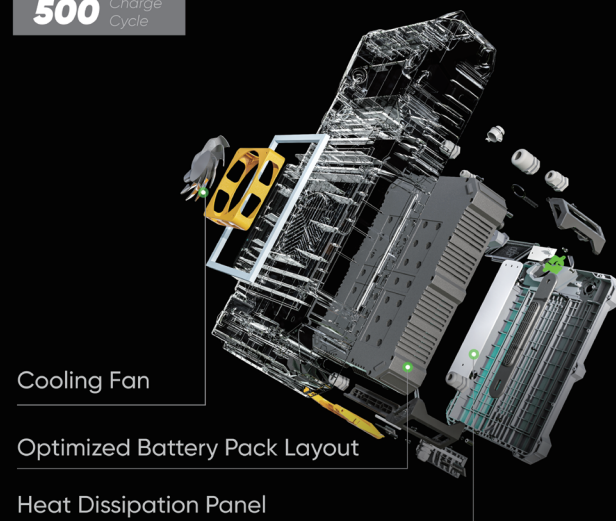
0.25 Acres/Hour

0.5 Acres/Hour

Cover

**1.125**

**ACRES**  
Per Charge



Cooling Fan

Optimized Battery Pack Layout

Heat Dissipation Panel



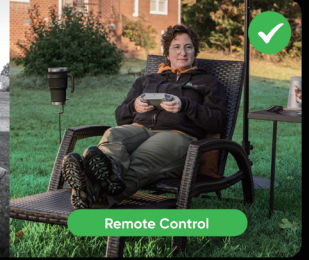


## Make Mowing A Game For Everyone

Grab a chair, pour an ice-cold drink, use your S1 remote to navigate the Mowrator S1, and watch as it turns your yard into a perfectly manicured paradise. You'll never come face-to-face with poison ivy, thorny plants, or noxious fumes ever again.



Manual Cart, Uphill Difficult



Remote Control



### 4 ULTRASONIC SENSOR DETECTION

Detects Obstacles From A Distance.



### 2 EMERGENCY STOP BUTTONS

Pressing Any Will Stop Both The Movement Of Blade And Travel



### GRASS OUTLET COVER DETECTION

Stops The Blade When Opened.



### FRONT CONTACT SENSORS

Stop The Blade Upon Collision



### BLADE SAFETY OPENING MODE

Stops Blade When Hand Is Off Remote.



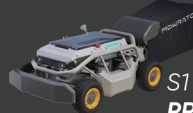
### STOP BUTTON

Collision Triggers Automatic Stopping Of The Blade And Travel

## S1 Models



S1 21" ADVANCED



S1 21" PRO AWD

### General Specs

Weight (No Battery)	45 Kg (99.2 Lbs)	52 Kg (114.8 Lbs)
Dimensions (Unfolded)	NO BAG 37.8 X 25.8 X 17 In (960 X 655 X 430 mm) WITH BAG 60.4 X 26.2 X 20.5 In (1533 X 665 X 520 Mm)	NO BAG 37.8 X 25.8 X 16.7 In (960 X 655 X 425 mm) WITH BAG 60.4 X 26.2 X 20.3 In (1533 X 665 X 515 mm)
Package Box Size	41 X 27 X 17 In (1030 X 670 X 420 mm)	
Battery Type	Swappable Battery	

### Performance

Steering System	RZ Steering System	
Maximum Travel Speed	3.4 Mph (1.5m/s)	
Maximum Climbing Ability	75% Slope (37°) 85% Slope (40°) With Wide Wheels	

### Blade And Deck

Cutting Width	21 In	
Deck	DC06 High-Strength Metal Material	
Maximum Cutting Torque	6 Ft. lb.(Comparable To Gas Mower)	
Cutting Height	1.8-4.6 In.(5 Adjustable Heights)	1.5-4.3 In.(5 Adjustable Heights)
Blade Rotation Speed	Max 3200 Rpm (Adjustable)	
Noise	63 DB(Measured at A Distance of 3 Meters)	
Mowing Mode	Bagging/Mulching/Rear Discharge	
Smart Features	Stabilization Mode(Based on an Inertial Measurement Unit)	
OTA	Supported	

### General Specs

Weight	Dimensions (Unfolded)
472 G (11lbs.)	6.9 X 6.7 X 2.3 In (176 X 171 X 59 Mm)

### Screen

Resolution	Size	Touchscreen
320 X 480, 241 PPI	2.35 In	Capacitive Touch

### Battery And Charging

Runtime	Charging Method	Charging Time
8 Hrs.	USB Type-C	3 Hrs

### Radio Frequency

Operating Frequency	Antenna
2,400-2,480 GHz	Built-In Dual Antennas

Effective Isotropic Radiated Power (EIRP)  
9 DBm

### Other

Assisted Driving	OTA
Cruise Control, One Button U-Turn	Supported

## Professional Remote Controller





## Application Scenarios

More Application Mow Around Varying Terrains



Male Farmer



Professional Landscaper



Solar Panel



Female Homeowner



Seniors With Mobility Issues

Effortless Lawn Care, Conquer Tough Spots, Enjoy Every Yard

## All Season Multitask Accessories



Auto Dumping Bag

Auto Dumping Bag

- Patented Auto-Dumping System: **One-button dumping for easy operation.**
- Embedded with Innovative Full-Detection Sensors: Automatically detects when the grass bag is full.



High-Lift Blade

Super Vacuum For Leaves

- The innovative sunken blade design provides excellent suction for the efficient collection of grass clippings, particularly in wet conditions.
- Proficient in cutting and collecting wet grass to prevent clogging.
- **53 cm** cutting width, high mowing efficiency.



Mowrator Trailer Hitch Kit

Transform Your Mowrator Into A Time-Saving Powerhouse

- Universal Fit Multi-Purpose Towing- Fits 99% lawn/garden trailers with 320-480mm height adjustment, haul carts, trailers, sprayers,
- Towing force from **30kgs-55kgs** on hard flat surfaces



FPV

Control at Your Fingertips, Comfort in Every Season

- **4000m** Ultra-Range Coverage (\*measured in an open environment)
- **22ms** Gaming-Grade Low Latency
- **7-inch** screen, 1080P/60fps FHD Transmission



Snow Plow Attachment

Smart Snow Removal Meets Winter Challenges

- Easy to install, no extra tools needed
- **20° adjustable** blade, safe and effortless snow removal
- All-terrain adaptability, perfect for driveways, sidewalks, and more



Edging Attachment

Precision Lawn Trimming, No Missed Corners

- Precise trimming, easily perfects flower beds, walls, and fences Efficient operation, replace manual edgers with **pro-level precision** automation
- Easy installation, quick attach

## CONTACT US

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