YARBO

YARBO Y SERIES

The Heavy-Duty Modular Yard Robot for Large Properties



BEST OF CES

DESIGN AWARD 2026

About YARBO



To redefine outdoor living with intelligent, modular robots — freeing people from yard work and giving time back to what truly matters.

To be the trusted companion of every modern yard, shaping a future where smart technology effortlessly maintains your property year-round.

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YARBO

MEET Y SERIES

The Heavy-Duty Modular Yard Robot for Large Properties

Y Series is designed for demanding outdoor environments where single-purpose machines fall short. Built on Yarbo's modular platform, it delivers industrial-grade performance for maintaining large properties year-round—from clearing deep snow to mowing expansive lawns, all in one autonomous system.



Exploring the Evolution of Y Series Core



Y40

Core Platform | Dual Drive Motors
Ideal for large standard properties.



Y40P

Core Platform | Dual Hub Motors
Ideal for large properties with demanding terrain.

COMING SOON



Y40i

Core Platform | Dual Hub Motors | LiDAR Navigation
Ideal for large properties with complex environments.

Y40X (Dealer-Exclusive Solution)

Core Platform | Dual Hub Motors

Additionally includes Smart Assist module, Physical Controller, Core & Handle Covers, Enhanced RTK Antennas, and BBM—enabling automatic patrol, intelligent follow-up, precise positioning, dust protection, and heavy-duty towing. Upgrade to convenient, efficient, and reliable yard care.



ELEVATED PERFORMANCE AND UPGRADES OF Y40P/X









CORE NAME	Y40	Y40P/X
Dimensions (L×W×H)	27×22×20 in / 675×566×512 mm	27×22×20 in / 675×566×512 mm
Weight (Including Battery)	145.5 lbs / 66 kg	144.2 lbs / 65.4 kg
Drive System	Dual Drive Motors	Dual Hub Motors
Max Driving Speed	0.65 m/s	1.2 m/s
Connectivity	4G, Wi-Fi, Bluetooth, Wi-Fi HaLow	4G, Wi-Fi, Bluetooth, Wi-Fi HaLow
Battery	36 V 38.4 Ah	36 V 38.4 Ah
Charging	Wired, Wireless	Wired, Wireless
Charging Time (From 20% to 80%)	90 min	90 min
Navigation	RTK, Vision, IMU, ODOM	RTK, Vision, IMU, ODOM
Obstacle Avoidance	Vision-based (Cameras)	Vision-based (Cameras)
Towing Capacity	GTW up to 500 lbs / 226 kg	GTW up to 500 lbs / 226 kg

* **Disclaimer:** Data is from Yarbo internal laboratory tests.

DURABILITY & STABILITY



24/7/365 Ready to Work with Wireless Auto Recharging

When the task is completed or battery is low, Yarbo is designed to return to its docking station autonomously to support continued operation.

Cold-Resistant and High-Capacity Battery

Yarbo is powered by an eco-friendly lithium-ion battery with zero emissions. It features a robust 1.38 kWh capacity and operates reliably in extreme temperatures from -13°F to 113°F (-25°C to 45°C).





Rugged Track System for Stable Traction

Durable tracks provide strong grip on slopes, uneven terrain, and snow-covered surfaces, ensuring dependable performance year-round.

VISION-DRIVEN SAFETY & SMART NAVIGATION



The powerful 6 TOPS AI processor fuses data from cameras, IMU sensor and odometry to deliver real-time 3D perception and smart path planning.



Smart vision coverage ensures safety for people and pets, and protects your property.



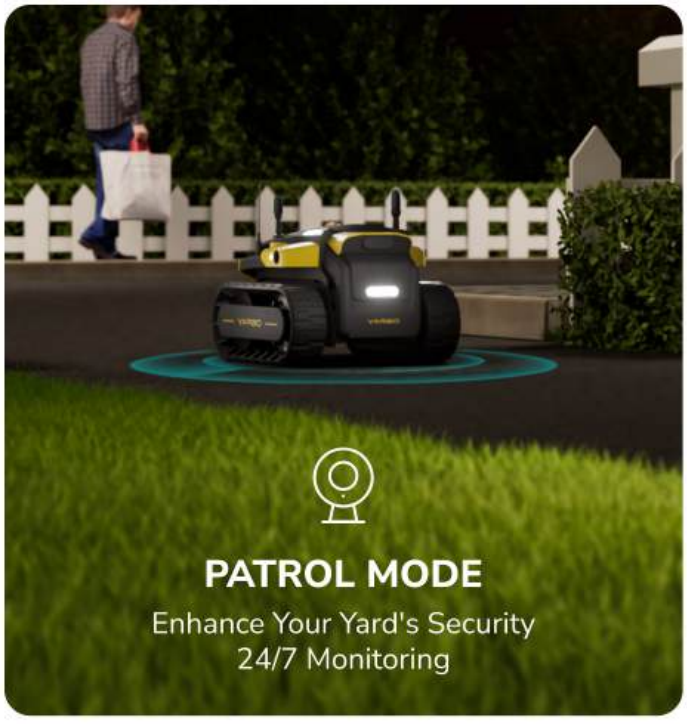
Stereo vision cameras enable scene segmentation for automatic boundary mapping, robust visual navigation for accurate path keeping, and precise obstacle detection.



Fusing visual navigation, odometry, and IMU data to maintain precise operation even in non-GPS environments — such as under trees, near walls, or along narrow edges.

INTELLIGENCE & VERSATILITY

The Core stands at the center of the modular robot system.
Beyond serving specific functions, the Core alone brings unique features.



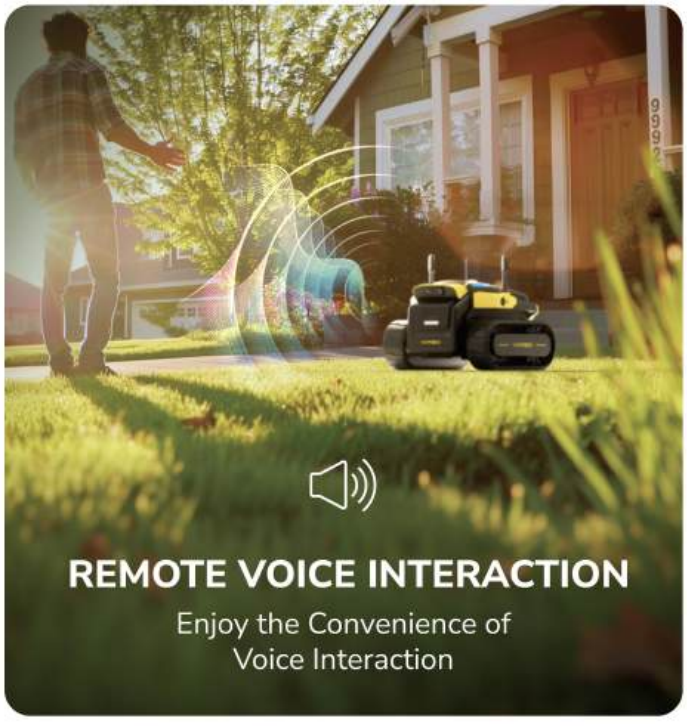
PATROL MODE

Enhance Your Yard's Security
24/7 Monitoring



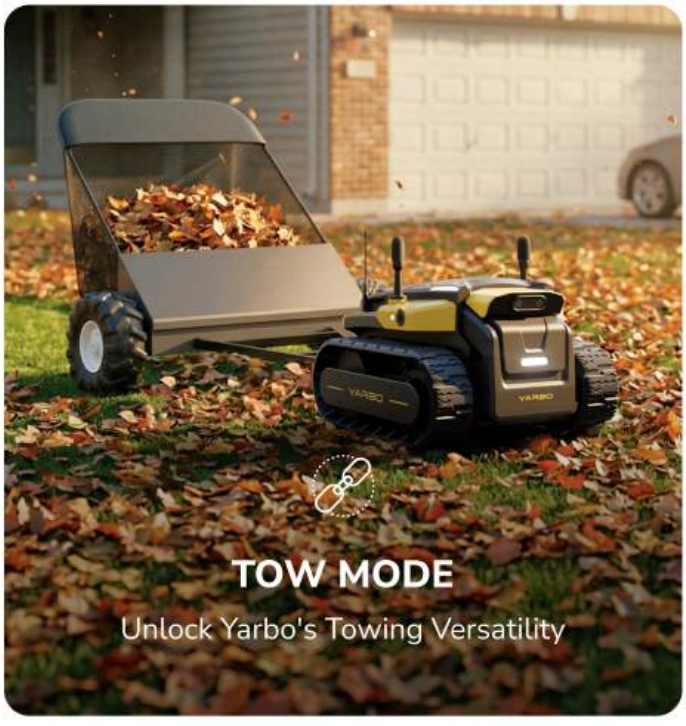
FOLLOW ME MODE

Free Your Hands with
Autonomous Following



REMOTE VOICE INTERACTION

Enjoy the Convenience of
Voice Interaction



TOW MODE

Unlock Yarbo's Towing Versatility

Core + Lawn Mower Pro Module

Wide Straight Blade Mower — Built for Large Demanding Lawns



SPECIFICATIONS

Cutting System	Dual Straight-Blade	Obstacle Avoidance	Binocular Cameras, Bumper
Adjustable Cutting Height	0.8–4.0 in (20–102 mm)	Positioning & Navigation	RTK, Vision, IMU, ODOM
Mowing Motor	300 W × 2	Navigation Under Trees	Vision, IMU, ODOM
Peak Power	2,500 W	Max. Climbing Ability	70% (35°)
IP Rating	IPX6	Cutting Width	20 in (500 mm)
Rain Detection	Yes	Teleoperation	Yes
Battery Capacity	1.38 kWh	Vertical Obstacle Clearance	2 in (50 mm)
Noise Level	≤60dB	Connectivity	4G, Wi-Fi, Bluetooth, Wi-Fi HaLow
Charging Time (From 20% to 80%)	90 min	Auto-recharge	Yes
Mowing Time Per Charge	120 min	Mowing Area Per Charge	**Y40:** 0.25 acre (1,012 m²) **Y40P/X:** 0.3 acre (1,214 m²)
Mowing Area Per Day	**Y40:** 1.7 acres (6,880 m²) **Y40P/X:** 2 acres (8,090 m²)	Max Coverage (2x/Week)	**Y40:** 6 acres (25,000 m²) **Y40P/X:** 7 acres (28,300 m²)

* **Disclaimer:** Data is from Yarbo internal laboratory tests.

Efficient Blade Guard Design
Resists clogging in wet or dense grass conditions.

RTK-GPS Navigation
Achieves high-precision, wire-free positioning for accurate navigation.

Wi-Fi HaLow Wide Coverage
Wi-Fi HaLow covers up to 31 acres without the need for cellular data usage.



Upgraded Rain Sensor
Larger electrodes and optimized spacing for better accuracy.

Ultra-Low Cutting Height
Cuts warm-season grass as low as 20 mm / 0.8 in with base spacer.

Efficient Straight Blades
Suitable for tough-to-cut grass species and overgrown grass up to 300 mm / 11.8 in.

Advanced Grass Tracks
Easily replaceable, terrain-customized tracks distribute weight evenly to protect your lawn.

Enhanced Dual 300W Cutting Motors
Deliver up to 2,500W peak power for heavy-duty mowing.

Reinforced Cutting Discs
Handle tough terrain and hard obstacles with less risk of damage.

Core + Snow Blower Module Gen 2

24/7 Autonomous Snow Blower — Built for Long Haul Clearing



SPECIFICATIONS

Stage Type	2-stage	Cleaning Width	24 in (600 mm)
Intake Height	12 in (300 mm)	Throwing Distance	6–40 ft (1.8–12 m)
Chute Rotation	-10° to 190°	Deflector Angle	-5° to 50°
Coverage/Charge (1 in)	Y40: 6,000 ft² (558 m²) Y40P/X: 7,000 ft² (650 m²)	Operation Time/Charge	90 min
Charging Time (From 20% to 80%)	90 min	IP Rating	IPX5
Powered By	Lithium-ion Battery	Applicable Slope	36% (20°)
Operating Temperature	-13°F to 113°F (-25°C to 45°C)	Applicable Snow Types	Dry, Wet, Packed Snow
Applicable Surfaces	Paved, Concrete, Gravel	Obstacle Detection	Binocular Cameras, Bumper
Connectivity	4G, Wi-Fi, Bluetooth, Wi-Fi HaLow	Teleoperation	Yes
Auto-recharge	Yes	Module Weight	80 lbs (36.3 kg)

* **Disclaimer:** Data is from Yarbo internal laboratory tests.

RTK-GPS Navigation
Achieves high-precision, wire-free positioning for accurate navigation.

Bumper
Highly sensitive collision sensors detect obstacles to ensure safety during operation.

Low-temperature Resistant Battery
Works under temperatures as low as -13°F (-25°C).

Anti-slip Rubber Tracks
Conquer challenging terrains with enhanced traction capabilities.

-5° to 50° Deflector Angle
Flexible snow chute that ensures snow lands exactly where you want.

-10° to 190° Chute Rotation
Intelligently directs the snow to the designated area.



Side & Binocular Cameras
Integrate multiple perspectives to enable pedestrian safety and smart obstacle detection & avoidance.

Two-stage Design
Handles most kinds of snow effortlessly.

Core + Blower Module

High-Airflow Blower — Engineered for Rapid Debris Clearance



SPECIFICATIONS Efficiency increased by approximately 15% on Y40P/X.

Air Velocity	174 MPH	Applicable Slope	70% (35°)
Air Volume	607 CFM	Operating Time Per Charge	70 min
Motor Power	2,000 W	Charging Time (From 20% to 80%)	90 min
Connectivity	4G, Wi-Fi, Bluetooth, Wi-Fi HaLow	Teleoperation	Yes
Auto-recharge	Yes	IP Rating	IPX5

* **Disclaimer:** Data is from Yarbo internal laboratory tests.

Side Cameras
Ensure the safety of pedestrians.

RTK-GPS Navigation
Achieves high-precision, wire-free positioning for accurate navigation.

Binocular Cameras
120° wide dynamic range, ultra-wide F2.3 aperture, 2MP ultra-high definition.



Advanced Grass Tracks
Easily replaceable, terrain-customized tracks distribute weight evenly to protect your lawn.

Extended Air Tubes & Interchangeable Nozzles
Designed to support extended air tubes for greater reach, and interchangeable nozzles for different yard tasks.

Core + Trimmer Module

Edge-to-Edge Trimmer — Designed to Minimize Manual Trimming



SPECIFICATIONS Efficiency increased by approximately 15% on Y40P/X.

Voltage	36 V	Line Diameter	0.06 in (1.6 mm)
Motor Power	200 W	Line Length	23 ft (7 m)
Operating Time Per Charge	135 min	Line Length Per Feed	0.8–1.2 in (20–30 mm)
Charging Time (From 20% to 80%)	90 min	No-load Speed	6,500 RPM
Operating Temperature	-13°F to 113°F (-25°C to 45°C)	Max. Climbing Ability	70% (35°)
Trimming Height	2–4 in (50–102 mm)	Vertical Obstacle Clearance	2 in (50 mm)
IP Rating	IPX5	Auto-recharge	Yes

* **Disclaimer:** Data is from Yarbo internal laboratory tests.

Smart Obstacle Response
Spring-loaded mechanism safely retracts trimmer from obstacles.



Adjustable Trimming Height
Adjusts cutting heights from 2 to 4 inches (50–102 mm).

Autonomous Line Feed
Reduces line replacement frequency to once a month.



Versatile Attachment Interface
The interface connects Trimmer with Yarbo Core for autonomous edge trimming. It also supports future attachments like extra batteries and dual tools.



Enhanced Towing Solution
The mount can be used with a new tow hitch, and together they support up to 200 lbs of tongue weight (Class 1). This setup offers greater stability compared to a standard tow hitch.

TOWING CAPABILITY & SMART CONTROL

500 lbs

Handles Daily Towing Tasks

*3500 lbs (Maximum pulling power for rolling weight)





Lawn Sweeper



Lawn Roller



Dump Cart



Dethatcher

Effortless Yard Care Right at Your Fingertips

Choose from two intuitive methods to manage your Yarbo with ease. The Yarbo App serves as the comprehensive, feature-rich platform, while the Physical Controller offers convenient manual control.



YARBO APP



PHYSICAL CONTROLLER

MUCH MORE TO OFFER IN THE FUTURE

Powered Rear Attachment Possibilities



The Granular Spreader offers the potential to distribute fertilizers, solid treatments, or salt for ice control during snow clearing. Advanced users may explore DIY options to adapt similar functionality.



The Liquid Sprayer could complement lawn care and snow clearing tasks with liquid de-icers, fertilizers, herbicides, or other treatments. DIY solutions may be possible for interested users.

Modules to Expand Your Yard Care Capabilities



YARBO SWEEPER

Sweeps light snow and debris



YARBO VACBLOW

Collects leaves and blows away debris



YARBO PLOW

Pushes snow to sides of your driveways and sidewalks



YARBO ARM

Harvests produce, spreads solid fertilizer, and removes litter



YARBO SPRINKLER

Sprays liquid treatments



YARBO GUARD

Retrieves packages with a tray, tows the trash can, and conducts smart monitoring

YARBO

The Modular Yard Robot for Every Season

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