

Note: *The NetRTK service will be available in the United States, Australia, Canada, and New Zealand starting in 2026.
LUBA 3 AWD 3000/5000 in these regions comes with an RTK base station included.

LUBA 3 AWD Series

Standard Version / High Version

	10000 / 10000H	5000 / 5000H	3000 / 3000H	1500/1500H
Basic Info				
Lawn Size	10000m ² (2.5 acres)	5000m ² (1.25 acres)	3000m ² (0.75 acre)	1500m ² (0.37 acre)
Positioning & Navigation System	360° LiDAR + NetRTK* + Dual-Camera AI Vision			360° LiDAR + Dual-Camera AI Vision
Maximum LiDAR Range	100m (330 ft.)	70m (230 ft.)	70m (230 ft.)	60m (200 ft.)
FOV	360° * 59°	360° * 59°	360° * 59°	360° * 45°
Engine	AWD (Four-Wheel-Drive)			
Max. Climbing Ability	80% (38.6°)			
Max. Multi-zone Management	100	50	30	15
Cutting System				
Cutting System	2 Discs, Each with 6 Blades			
Cutting Width	400mm (15.7 in)			
Cutting Height	Standard Version: 25-70mm (1-2.7 in) High Version: 55-100mm (2.2-4 in)			
Battery&Efficiency				
Battery Type	Li-ion			
Battery Capacity	15Ah	15Ah	12Ah	9.4Ah
Efficiency	650m ² /h (7000 sq.ft/h)			400m ² /h (4300 sq.ft/h)
Others				
4G Module	Free 4G Module with 3-year Traffic			
Waterproof	IPX6			
Warrenty	3 Years			

www.mammotion.com



Smart Yards Start Here



LUBA 3 AWD

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Perimeter Wire Free Robot Lawn Mower

Defining the New Era of Lawn Mastery

World's First Tri-Fusion Navigation on the Flagship Models

Developed by Mammotion Atlas Lab, it is the world's first solution to integrate 360° LiDAR, NetRTK, and Vision for unmatched precision, adaptability, and stability.



360° LiDAR

Detects up to 100m (330 ft) with a 360°*59° wide-angle



NetRTK

Delivers centimeter-level NetRTK positioning without any physical base station.



Dual-Camera AI Vision

Captures your garden in detail and intelligently identifies real-world objects.



300+ Obstacle Avoidance



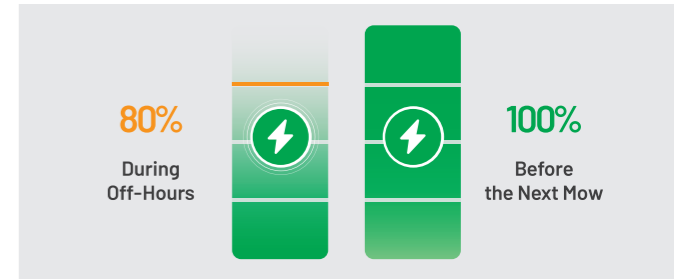
Smart Anti-Fall Protection



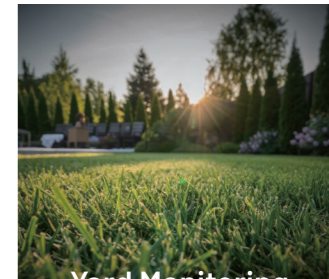
Adaptive Cutting, Optimized Performance



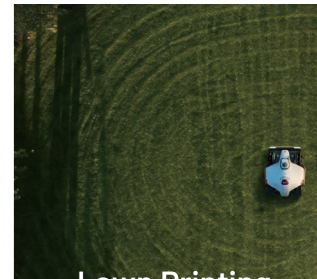
Intelligent Path Planning



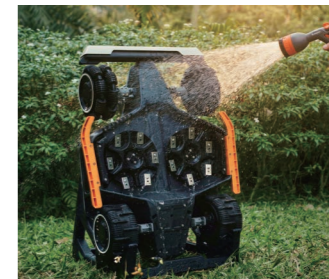
Smart Battery Management



Yard Monitoring



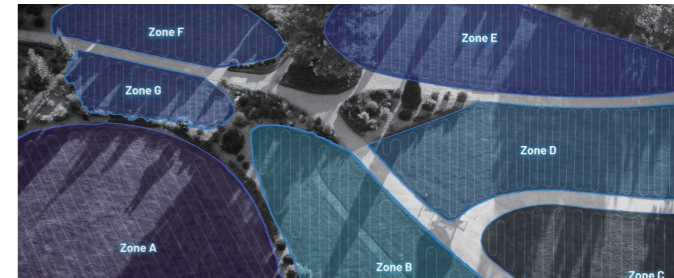
Lawn Printing



IPX6 Waterproof



Smart Lift Detection



Up to 100 Smart Zones