



NexLawn
LIVE WHAT'S NEXT



NexLawn

PRODUCT CATALOGUE 2025

LIVE WHAT'S NEXT

Follow us on
<https://nexlawn.com/>



Instagram



Twitter/X



Youtube

About NexLawn

NexLawn is a cutting-edge consumer tech brand grounded in the multi-level needs of home users, professionals, and tech enthusiasts. Expanding beyond robotic lawn mowers and smart gardening tools into a broader range of intelligent technologies, NexLawn creates multifaceted experiences and inspires people to embrace a next-generation lifestyle through meaningful interactions with the world.

Cutting-Edge / Intelligent / Multifaceted

Table Of Contents

PART 01. Robotic Lawn Mower

VIDAR AWD Series	05
VIDAR Series	06
NAVIA AWD Series	07

PART 02. 60V Intelligent Cordless Garden Tools

Battery (2.5Ah) LBAH25 / Battery (5.0Ah) LBAH50	12
Charger LCHH06 / LCHH12	13
Lawn Mower LLG5100	14
Grass Trimmer LTH4000	15
Grass Trimmer / Brush Cutter LTH4000-P / LTH4000-U	16/17
Leaf Blower LBH2800	18
Hedge Trimmer LHH6500	19
Chainsaw LCH4500	20

PART 03. Robotic Pool Cleaner

Robotic Pool Cleaner D1 Pro	22
Robotic Pool Cleaner D1	23
Handheld Pool Vacuum G1	23

01. ROBOTIC LAWN MOWER



VIDAR AWD Series



NexDetect™
Environment Sensing



NexTrim™
Cutting System



40cm Wide
Auto-Floating Discs



High-Voltage
Platform



4WD System
All-Terrain Performance



Link Services for
Anti-Theft



NAVIA AWD Series



VIDAR AWD Series



VIDAR Series



NexDetect™: 360° 3D LiDAR + AI Stereo Vision

NexDetect™ powers wire-free setup, auto mapping, and stable terrain traversal with 360° 3D LiDAR and stereo vision.



NexDrive™ 4WD Power: Climbs 80% Slopes, 6cm Obstacles

Tackles 80% grade slopes and 6cm obstacles with ease, thanks to its 4WD hub motors, suspension and all-terrain wheels.



Efficient Mowing with 36V-Powered Dual Discs

The 36V battery and 40cm dual discs give 243Wh output and 3-10cm cutting height adjustment for powerful, efficient mowing.



NexTrim™: Edge Trim within 3cm

NexTrim™ trims within 3cm for precise, cleaner cuts—even along curves and tricky edges.

*The illustrations in this manual are for reference only. Please refer to the actual product.
*All data is based on testing from in-house or third-party labs. Actual performance may vary.



VIDAR Series

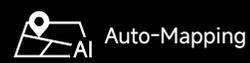
NAVIA AWD Series



NexDetect™
Environment Sensing



NexTrim™
Cutting System



AI Auto-Mapping



NexNav™
Integrated Positioning



4WD System
All-Terrain Performance



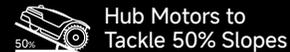
NexTrim™
Cutting System



Intelligent
Obstacle Avoidance



Adjustable
Cutting Height



Hub Motors to
Tackle 50% Slopes



36V
High-Voltage
Platform



40cm Wide
Auto-Floating Discs



5 Year
Link Services
for Anti-Theft



NexDetect™: Wire-Free Setup & AI Auto-Mapping

Features AI stereo vision and 360° 3D LiDAR. Maps your yard in 3D—no wires, RTK stations, GPS poles needed. Just drop and mow.



NexTrim™: <3cm Trim, 3-10cm Height Adjust

NexTrim™ enables 3cm precision for sharp, clean edges and 3-10cm electric height adjustment to match different grass types.



NexNav™ Integrated Positioning Technology

Powered by NRTK, stereo vision, and high-precision 360° LiDAR, delivers auto-mapping, no signal issues. Just drop and mow.



NexDrive™ 4WD for 80% Slopes & Tough Terrains

Driven by off-road wheels and powerful hub motors, ensures great all-terrain performance on wet grass, thick turf, etc.



Avoids 300+ Obstacles in Real Time

Driven by AI stereo vision and 360° 3D LiDAR, VIDAR Series avoids 300+ obstacles in real time, keeping consistent mowing.



Handles 50% Slopes, 4cm Bumps & 60cm Paths

With powerful hub motors and off-road wheels, the VIDAR Series boosts traction in complex terrain and reduces lawn damage.



NexTrim™ Cuts Edges within 3cm Precision

Dual discs extend outward and trim within 3cm precision during edge mowing, with 3-10cm electronic adjustable height.



36V Power + 40cm Dual Discs for Efficiency

40cm mowing width for faster coverage, paired with a 36V battery delivering powerful energy—for efficient, neat mowing.

Robotic Lawn Mower



Specification	VIDAR Series	VIDAR AWD Series	NAVIA AWD Series
Mowing Area Capacity	800-1,600m ²	3,000m ²	5,500m ²
Mapping System	Remote Control + AI Auto Mapping	Remote Control + AI Auto Mapping	Remote Control + AI Auto Mapping
Positioning & Navigation	NexDetect™ (360° 3D LiDAR + Stereo Vision)	NexDetect™ (360° 3D LiDAR + Stereo Vision)	NexNav™ (NRTK* + Stereo Vision + 360° LiDAR)
Cutting Width	Single Disc, 20cm	Dual Discs, 40cm	Dual Discs, 40cm
Drive System	Rear-Wheel Drive (2 Hub Motors)	All-Wheel Drive (4 Hub Motors + Suspension)	All-Wheel Drive (4 Hub Motors + Suspension)
Off-Road Wheels	Y	Y	Y
Max. Slope Performance	50% (26.5°)	80% (38.6°)	80% (38.6°)
Max. Vertical Crossing	4cm	6cm	6cm
Edge Trimming	NexTrim™: <3cm	NexTrim™: <3cm	NexTrim™: <3cm
Cutting Height	3-10cm, Electronic	3-10cm, Electronic	3-10cm, Electronic
Battery Voltage	18V	36V	36V
Battery Capacity	4/5Ah	7.5Ah	10Ah
Battery Energy	72/90Wh	243Wh	324Wh
Mowing Time Per Charge	70-90min	100-120min	150-180min
Charging Current	3A	5A	5A
Charging Time	60-70min	90min	120min
Anti-Theft	Real-Time Tracking**, Off-Map Alarm, Lift-Up Alerts, AirTag Storage***	Real-Time Tracking**, Off-Map Alarm, Lift-Up Alerts, AirTag Storage***	Real-Time Tracking**, Off-Map Alarm, Lift-Up Alerts, AirTag Storage***
Waterproof	IPX6	IPX6	IPX6

*Standard with free service included
 **Standard with free service included. Free usage period varies by model
 ***An AirTag itself is available for purchase from the Apple Store

02. 60V INTELLIGENT CORDLESS GARDEN TOOLS



NexLawn 60V Battery Platform



Exceptional Performance & Refined Comfort

Built with advanced engineering, NexLawn garden tools deliver outstanding cutting power, runtime, and endurance — all paired with ergonomic design for effortless operation.

Intelligent Control across the Platform

From AutoPace™ self-driving mowers to SyncOil™ adaptive-lubrication chainsaws, every garden tool integrates intelligent systems that adjust in real-time for maximum efficiency, safety, and ease of use.

Unified 60V Battery Ecosystem

A single VoltDense™ 60V battery powers the entire NexLawn range — simplifying equipment management and maximising productivity across all yard tasks.

Built for Durability & All-Weather Reliability

Built with IPX4-rated protection, reinforced housings, and backed by a 6-year warranty, NexLawn garden tools are designed for dependable performance and year-round operation.

Battery (2.5Ah) LBAH25/ Battery (5.0Ah) LBAH50

2.5Ah



5.0Ah



Power Core of the VoltDense™

Provides high discharge capacity and stable power output across all 60V garden tools.

NexCool™ Active Cooling System

Optimized air-duct design actively regulates battery temperature, maintaining stable performance under heavy load.

30-Minute UltraFast Charging

Recharges the battery to a ready-to-use level in just 30 minutes, minimizing waiting time between jobs.*

Smart BMS Control

Monitors voltage, current, and temperature of each cell in real time for enhanced safety and reliability.

*Approx. 30 minutes for 2.5Ah battery with LCHH06 and 5.0Ah battery with LCHH12. Charging time varies by battery capacity and charger model. Actual time may differ depending on temperature and battery condition.

- Battery Power Indicator
- Bluetooth
- OTA
- APP
- 3 Years

	Voltage	Capacity	Capacity	Charging Time
Battery-LBAH25	60V	2.5Ah	150Wh	30min with LCHH06
Battery-LBAH50	60V	5.0Ah	300Wh	30min with LCHH12

Charger LCHH06 / LCHH12



LCHH06



LCHH12

Active Internal Cooling System

Prevents overheating and extends battery lifespan through continuous temperature regulation.

Smart Charging Visibility

LED indicators and app integration provide real-time charging data and diagnostics.

Smart Adaptive Charging System

Dynamically adjusts charging current for balanced speed and cell protection.

Flexible Mounting Options

Supports wall-mounted or tabletop setups for diverse workspace needs.

- Charging Indicator
- Wall-mount
- OTA
- APP
- 3 Years

	Rated Input Voltage	Input Power	Charging Time
Charger LCHH06	100-240V 50/60Hz	430W	2.5Ah Battery : 30min
Charger LCHH12	100-240V 50/60Hz	860W	5.0Ah Battery : 30min

Lawn Mower LLG5100

AutoPace™ Self-Propelling

Dual wheel-hub motors automatically adapt to your walking pace – offering seamless speed adjustment up to 7km/h.*

VortexFlow™ Air System

Optimized airflow significantly enhances cutting, mulching, and collection performance.

2000_w

Max Output Power

12_{Nm}

Max Torque



Dual-Blade Precision Cutting

A 12Nm high-torque motor drives dual blades for faster mowing, finer clipping, and a cleaner lawn finish.*

Optimized Grass Collection

The 62L bag reduces emptying and improves filling efficiency through a refined airflow design.

*Performance values are derived from internal testing under controlled conditions. Actual performance may differ due to variations in temperature, load, or user application.



Grass Bag



Mulching Insert



Side Discharge Chute



Blade Set

Vertical Storage

Digital Display



6
Years

Max Output Power	Cutting Size	Self-propelled Speed	Cutting Speed	Functions	Bag Capacity
2000W	47cm	1.5-7km/h	2700-3200RPM	Mulching / Bagging / Rear Discharge	62L

Grass Trimmer LTH4000

CentriDrive™ Central Motor System

CentriDrive™ central motor With 1200W output delivers balanced control and powerful performance.*

1200_w

Max Output Power

40_{cm}

Cutting Width

Efficient Dual-Line Cutting

Powerful torque and fast speed, combined with a 40cm swath and dual-line spiral trimmer line, deliver clean and efficient cuts.*

Lightweight Carbon-Fibre Shaft

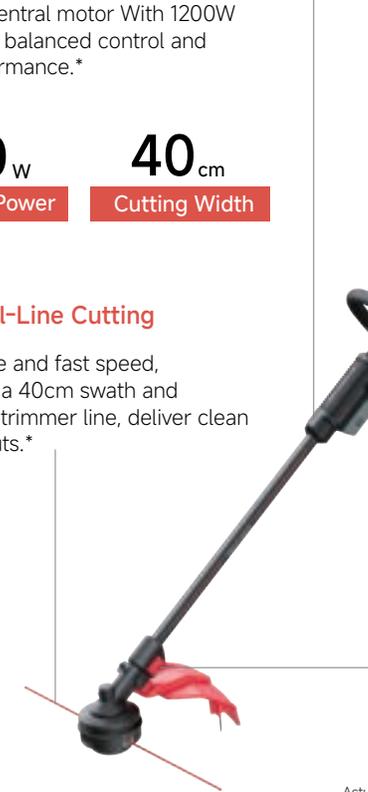
Carbon-fibre construction reduces weight while maintaining strength for extended, fatigue-free operation.



Shoulder Strap

AutoLoad™ One-Touch Line Loading

Reload trimming line in seconds – quick, effortless, and ready to go.



*Performance values are derived from internal testing under controlled conditions. Actual performance may differ due to variations in temperature, load, or user application.



Grass Trimmer Guard



Grass Trimmer Line



Hex Wrench

Telescopic Shaft

Digital Display

Wide head



6
Years

Max Output Power	Function	Cutting Width	Speed Setting	Line Feed Operation	Line Load Operation
1200W	Trimmer / Edger	40cm	4500-5500RPM	Bump Feed	AutoLoad™

Grass Trimmer / Brush Cutter LTH4000-P / LTH4000-U

Powerful and Efficient Cutting Performance

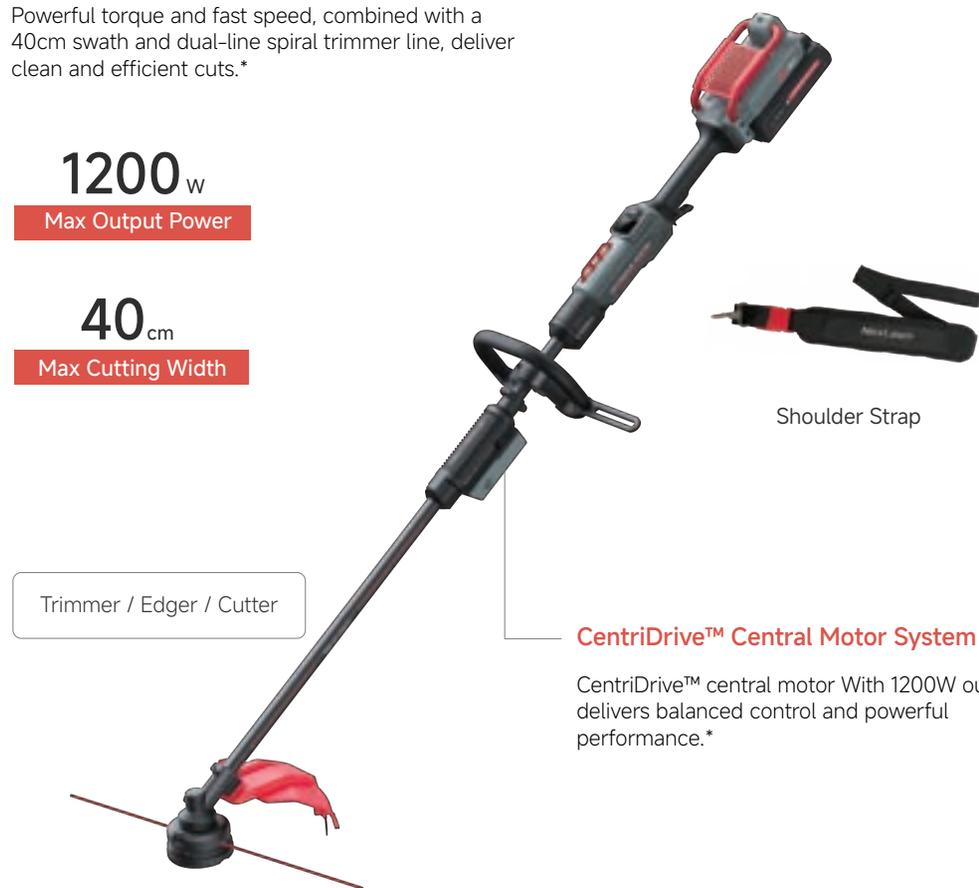
Powerful torque and fast speed, combined with a 40cm swath and dual-line spiral trimmer line, deliver clean and efficient cuts.*

1200_w

Max Output Power

40_{cm}

Max Cutting Width



Trimmer / Edger / Cutter

CentriDrive™ Central Motor System

CentriDrive™ central motor With 1200W output delivers balanced control and powerful performance.*



Grass Trimmer Guard

Brush Cutter Blade Guard

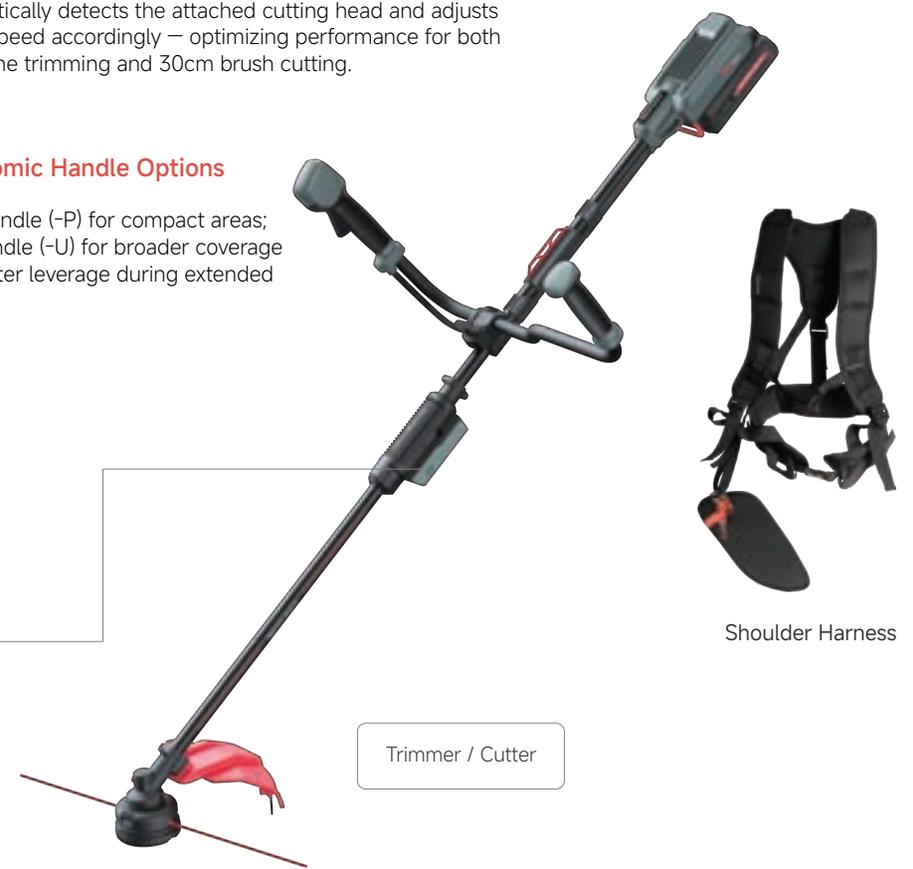
3-tooth Brush Cutter Blade

Smart Recognition & Adaptive Control

Automatically detects the attached cutting head and adjusts motor speed accordingly – optimizing performance for both 40cm line trimming and 30cm brush cutting.

Ergonomic Handle Options

Loop handle (-P) for compact areas; bike handle (-U) for broader coverage and better leverage during extended cutting.



Trimmer / Cutter

Shoulder Harness



Grass Trimmer Line

Multi-Function Wrench

Hex Wrench



Digital Display

OTA

APP

6 Years

*Performance values are derived from internal testing under controlled conditions. Actual performance may differ due to variations in temperature, load, or user application.

Max Output Power	Cutting Width	Speed Setting	Line Feed Operation	Line Load Operation
1200W	40cm (Nylon Cutting Head) / 30cm (3 Tooth Blade)	GT 4500-5500 RPM / BC 5000-8000RPM	Bump Feed	Rapid Load

Leaf Blower LBH2800

AirSurge™ Airflow System

A high-efficiency turbine and optimized air channel generate concentrated airflow up to 89m/s for powerful, efficient yard clearing.*

Static Control Technology

The integrated static-control system minimizes electrostatic buildup during operation, protecting internal circuits and improving overall stability.

89 m/s **1700** m³/h
Air speed Air volume

Turbo Mode for Heavy-Duty Blowing

Instantly boosts airflow to tackle wet leaves, debris, or light snow with one touch.



Shoulder Strap

Variable Speed Trigger with Cruise Control

Adjust airflow precisely for any task, and activate cruise control for extended, fatigue-free operation.

Extended Runtime for Large Areas

Up to 90 minutes of runtime enables efficient cleaning of yards, driveways, and landscapes.*

*Performance values are derived from internal testing under controlled conditions. Actual performance may differ due to variations in temperature, load, or user application.



Siphon Nozzle



Car-Clean Nozzle



Spread Nozzle



Tapered Nozzle

Digital Display



6 Years

Blowing Force Air Volume Air Speed Speed Setting Accessory

28N 1700m³/h 89m/s Variable Speed with Lock-on + Boost Tapered / Spread / Car-clean / Siphon Nozzle

Hedge Trimmer LHH6500

LevelEdge™ Angle Sensor

Built-in angle sensor with LED guidance keeps trimming level and precise across the hedge.

65 cm **34** mm
Blade Length Max Cutting Thickness



180° Rotating Rear Handle

Five adjustable positions allow flexible hand placement for comfortable control during horizontal, vertical, or angled trimming.

High-Performance Cutting

Cuts branches up to 34mm thick with a high-torque brushless motor and stable output for heavy trimming.*

65cm Dual-Action Laser-Cut Blade

Delivers up to 4000SPM with 40mm tooth spacing for fast, clean, and precise trimming.*

*Performance values are derived from internal testing under controlled conditions. Actual performance may differ due to variations in temperature, load, or user application.



Sweeper



Blade Sheath

LevelEdge™ Indicator

Digital Display



6 Years

Max Output Power Blade Length Tooth Spacing Max Cutting Thickness Strokes Per Min

800W 65cm 40mm 34mm 2/3/4000SPM

Chainsaw LCH4500

Gas-Level Cutting Power

3000W power plus 26m/s chain speed delivers performance equivalent to 60cc gas chainsaws.*

NexCool™ Active Cooling Technology

Advanced airflow design keeps the system cool under pressure, preventing thermal slowdown and maintaining consistent cutting power.

26_{m/s}

Chain Speed

3000_w

Max Cutting speed



Triple Safety Design

Low-kickback chain, metal bucking spikes, and a chain catcher enhance safety and control during cutting.

SyncOil™ Adaptive Lubrication System

Automatically adjusts oil flow based on cutting load, reducing waste and extending chain life.

*Performance values are derived from internal testing under controlled conditions. Actual performance may differ due to variations in temperature, load, or user application.



Guide Bar



Chain Sheath



Oregon Saw Chain



Multi-function Wrench

- Digital Display
- OTA
- APP
- 6 Years

Max Output Power	Bar Length	Max Chain Speed	Speed Setting	Oil Feeding Type	Oil Reservoir
3000W	45cm	26m/s	3-Speed	SyncOil™ Adaptive	200ml



03. ROBOTIC POOL CLEANER



D1 Pro

 24,300LPH Suction Power

 180m² Extended Runtime

 EdgeTrace™ Technology

 5cm Dual Waterline Scrubbing

 Precision Filtration

 8 Cleaning Modes

24,300LPH Robust Suction, Comprehensive Pool Debris Removal

Self-driven tracks, independent variable-speed brush rollers, and three high-speed brushless motors work efficiently and quickly clean the entire pool.

EdgeTrace™ Dynamic Tracking, AI Precision for Full Coverage

Ideal solution for pool edge cleaning ensures precise control and smooth turns.

3.5L Refined Filtration Design for Crystal Clear Water

Captures both common debris and microscopic particles without compromising suction.

4-Hour Long-Lasting Cleaning, Effortlessly Covering 180m²

A 169Wh (7800mAh) battery delivers up to 4hrs of continuous cleaning on a single charge.

Dual-Pass Deep Scrubbing Makes Waterlines Pristine

Tackling grime and algae along the waterline, keeping every inch of your pool pristine.

8 Customisable Cleaning Modes

Eight professional cleaning modes designed to meet a variety of needs.

Robotic Pool Cleaner D1

Dual-Core Drive: 7,500LPH Powerful Suction

Fast Charging with 120min Runtime

One-Touch Operation, Simplified Cleaning

Lightweight Design, Lift with Ease

Automatic Parking for Easy Retrieval

No Cords, No Limits



Handheld Pool Vacuum G1

4,200LPH Powerful Suction That Purifies

Transparent Suction Head for Targeted One-Pass Cleaning

60-Min Runtime for Uninterrupted Cleaning

Shallow Water Cleaning Redefined



*The illustrations in this manual are for reference only. Please refer to the actual product.
*All data is based on testing from in-house or third-party labs. Actual performance may vary.