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FAIRLAND GROUP LIMITED

iGarden Pool Cleaner M1 Series

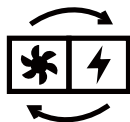
Always On. Always Joy.



Best Endurance 10H



iGarden AI-Inverter™



Energy Efficiency
Coupling



Hydrodynamic
Propulsion Structure



Dual-Drive Total
Coverage System



Dual Pump
System



Wireless Charging
Module



Turbo Mode
Maximum Power 200%



40cm
Ultra-Shallow
Water Cleaning



Touch Screen



Double-Layer
Filter Box



Hands-Free Cleaning
Mind-Free Living

iGarden Pool Cleaner M1 Series is designed to make deep pool cleaning easier and more enjoyable.

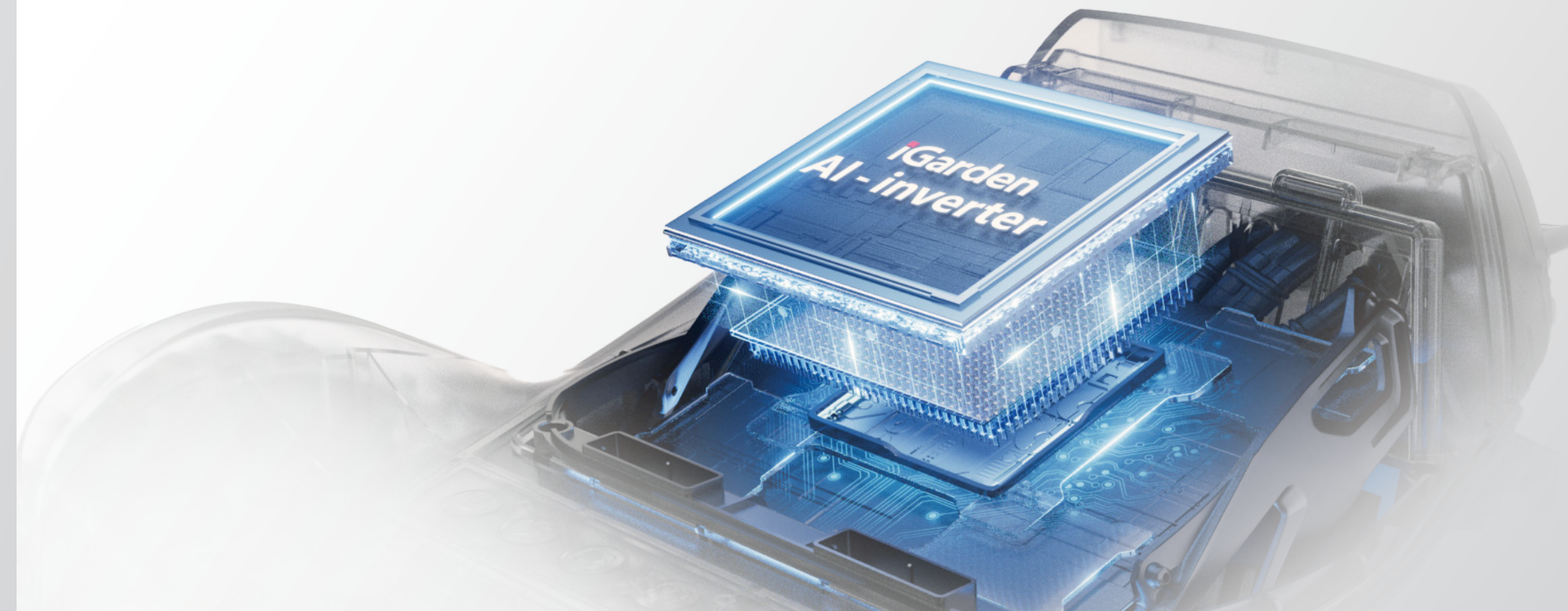
10H Endurance — Powered by 3 Key Innovations

- iGarden AI-Inverter™ 2.0 Intelligent Core
- Hydrodynamic Propulsion Structure
- Design & Efficiency, In Sync



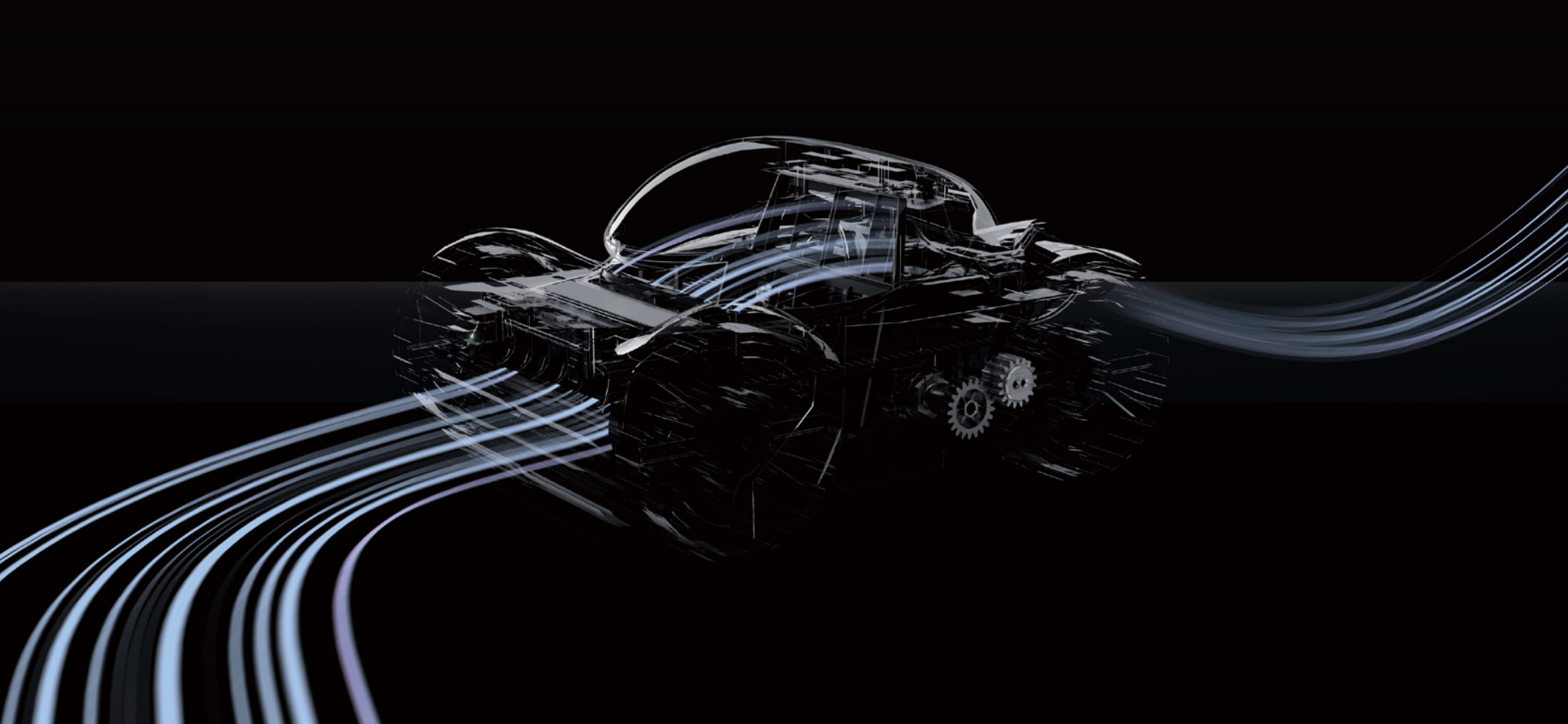
iGarden AI-Inverter 2.0 Intelligent Core

How it extends runtime to 10 hours



A proprietary iGarden AI-Inverter™ algorithm drives a set of brushless DC motors with millisecond precision.

Each motor — from propulsion to circulation — intelligently modulates its speed within a 20-100% dynamic range, adapting to every pool condition to balance thrust and endurance with effortless precision.



Design & Efficiency, In Sync

Optimized synergy for lasting power

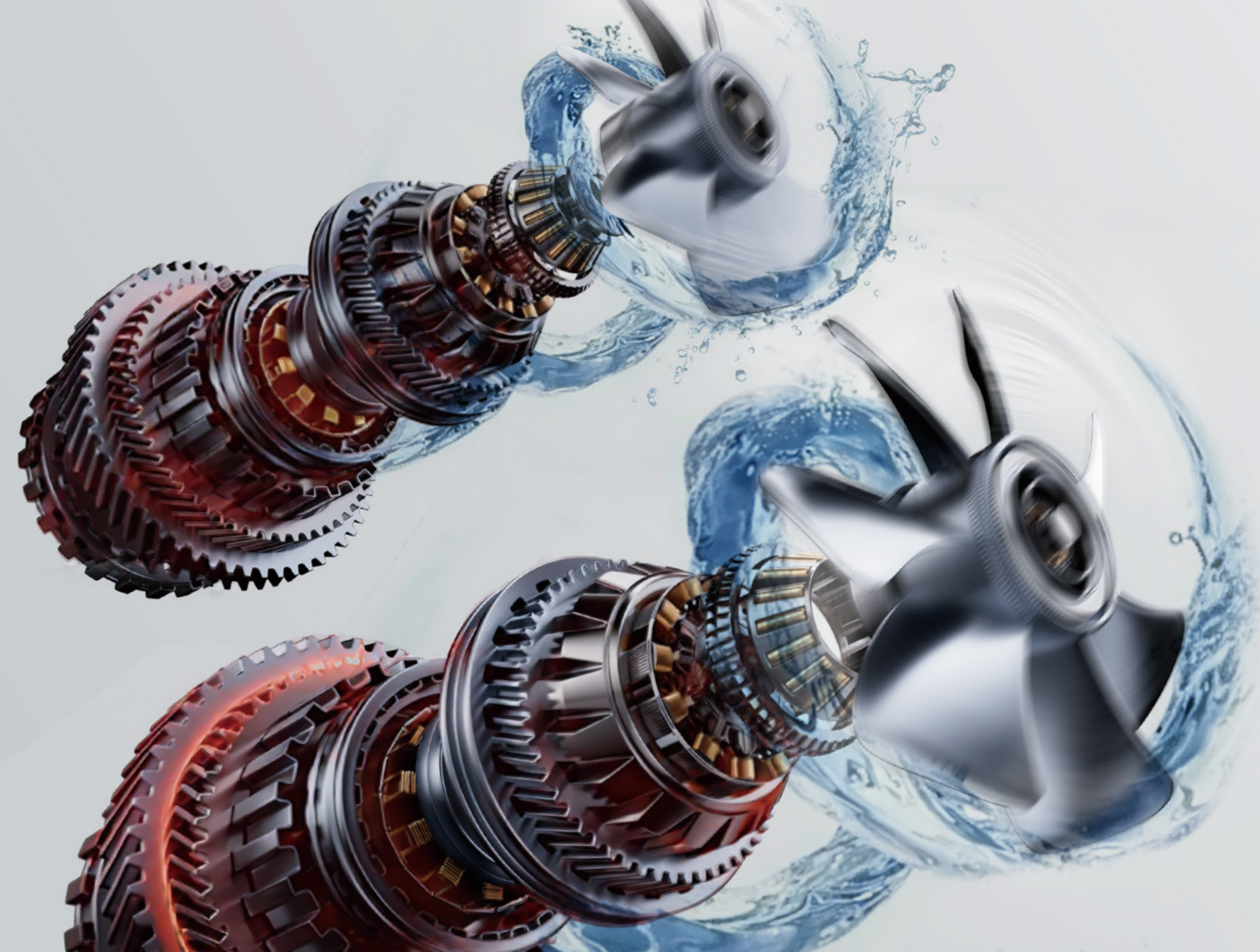
An enhanced structural design creates deep synergy between the motor and the flow path, sustaining high cleaning performance and energy efficiency.



Hydrodynamic Propulsion Structure

Smarter flow, longer endurance

Flow channels shaped by hydrodynamic principles reduce turbulence and vortex losses, while tail-jet propulsion converts residual energy into thrust for greater coverage and longer runtime.



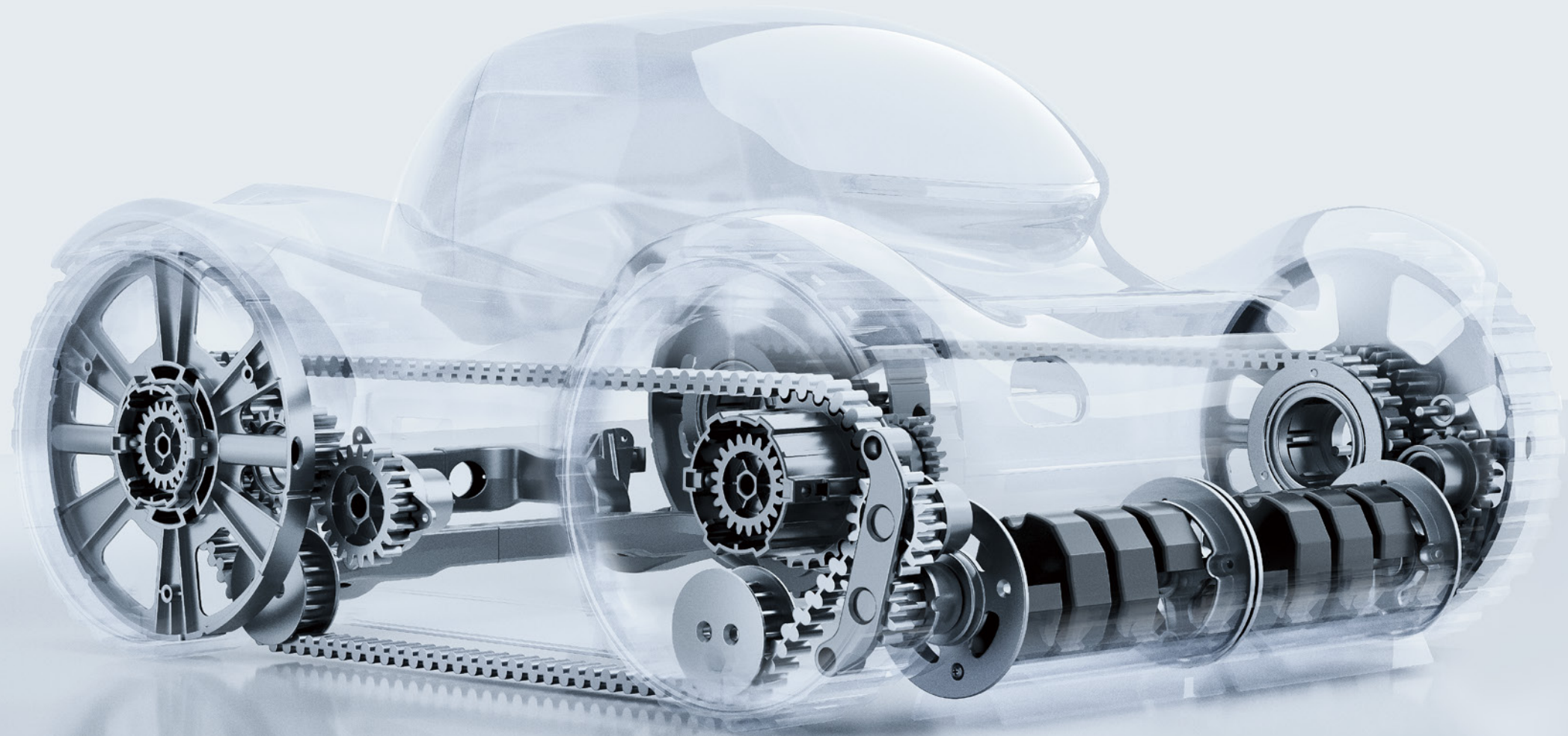
Dual-Pump System 200%

Turbo On Maximum Suction

One touch unleashes triple suction, driving power into the extreme zone — built for the toughest debris.

Dual Pump Multiplied Force

The dual pump system generates massive wave of sustained suction, being the game changer for pool deep cleaning.

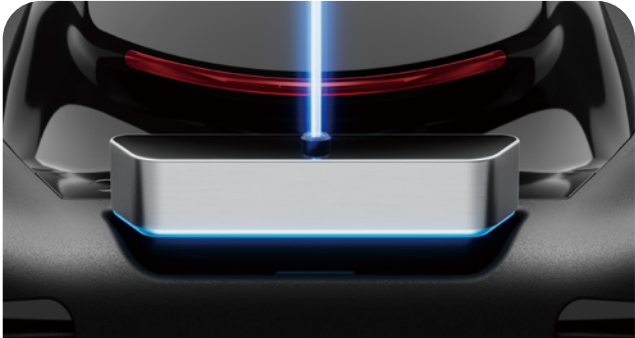


Dual-Drive System

All Surfaces, All Covered.



Four high-torque wheels and hidden treads give the cleaner go-anywhere traction, built to conquer complex surfaces for whole-pool coverage.



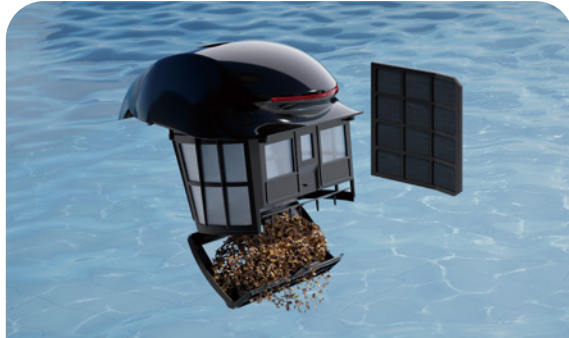
Wireless Charging Module (Optional)
Features attached charging and plug-free, self-aligning, water-resistant connectors. Designed for safety, convenience, and full autonomy. No Plugging, Safe Charging.



4.5L Extra-Large Bin
Simply lift, empty, and rinse for reuse.



40cm Ultra-Shallow Water Cleaning
Effortlessly cleans children's wading pools, tanning ledges, and other low-water areas.



Double-Layer Filter Box
Dual-mesh system with clog-resistant, professional-grade filters.

Model	M1-50		M1-80	M1-100
Picture				
Mode: Floor Mode				
Battery Life	5h		8h	10h
Charging Time	Approx. 5h		Approx. 6.5h	Approx. 5h
Charging Mode	2A (Optional 2A wireless charging)			3A (Optional 2A wireless charging)
Battery Capacity	7500 mAh (192Wh)		10400 mAh (262Wh)	10400 mAh (262Wh)
Maximum Pool Length	9m (29.5ft)		12m (40ft)	15m (50ft)
Optimal Pool Temperature			4~35°C/39.2~95°F	
Cleaning Mode			Floor Only; Wall Only; Wall & Waterline first, then floor; Full coverage	
Turbo Mode			YES	
Multiple Cycle Option			1h/1.5h/2h/Max	
AI Timer			24h/48h/72h	
APP			YES	
Filter Capacity			4.5L	
Filtration Accuracy			Double Layer	
Pump Flow Rate	12-19m³/h(3170-5019GPH)		16-23m³/h(4227-6076GPH)	
Running Power			20-100W	
Moving Speed			12m/min	
Number of Motors			4	
Charger Input			100-240VAC~50/60Hz	
Running Voltage / Current			25.5V/1A	
Robot NW/GW			10.5kg/15.3kg	
Product Dimensions (L×W×H)			482*392*249 mm	
Package Dimensions (L×W×H)			580*448*330 mm	

NOTE: Tested in a pristine 3m*8m rectangular pool under controlled lab conditions. Actual battery life may vary with pool size, shape, and water quality.

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