



# The Outdoor Ecosystem Revolution.

Introducing the iGarden M1-AI Series.  
The world's first pool robot with Bionic Dual Vision.

Artful Living Technology · Hydrodynamic Design · Fluid Intelligence



# The Age of Frustration



Random navigation fails. Traditional robots are blind, bump into obstacles, run out of battery after 4 hours and demand constant manual intervention.



# Technology shouldn't demand attention. It should orchestrate life.

The iGarden philosophy shifts from mechanical effort to invisible autonomy. An outdoor ecosystem that manages itself, moves smoothly and leaves no trace — giving time back to the user.

*"The best technology is the kind you barely notice."  
— iGarden product philosophy*

# The Anatomy of Autonomy: The Biomimetic Paradigm.



## The Eye (Perception)

Bionic Dual Cameras. True 3D depth capture and real-time identification of 40+ debris types.

## The Brain (Decision)

Quad-Core Neural Processor (AI-Inverter 2.0). Millisecond path computation and millimetric energy

## The Body (Action)

Dual-Force motors and tracked traction. Hydrodynamic adaptation and brute force to conquer any slope.

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# The Eye: Perfect Understanding of the Aquatic Space.



## The Parallax Principle.

Using two Ultra-HD cameras, the M1 builds a three-dimensional topographic map in real time. It identifies over 40 debris types with precision and maps steps and tanning ledges in shallow water, where ordinary robots get stuck. Fully functional at night thanks to integrated directional LED lighting.

# The Brain: AI Target Mode (Surgical Cleaning).

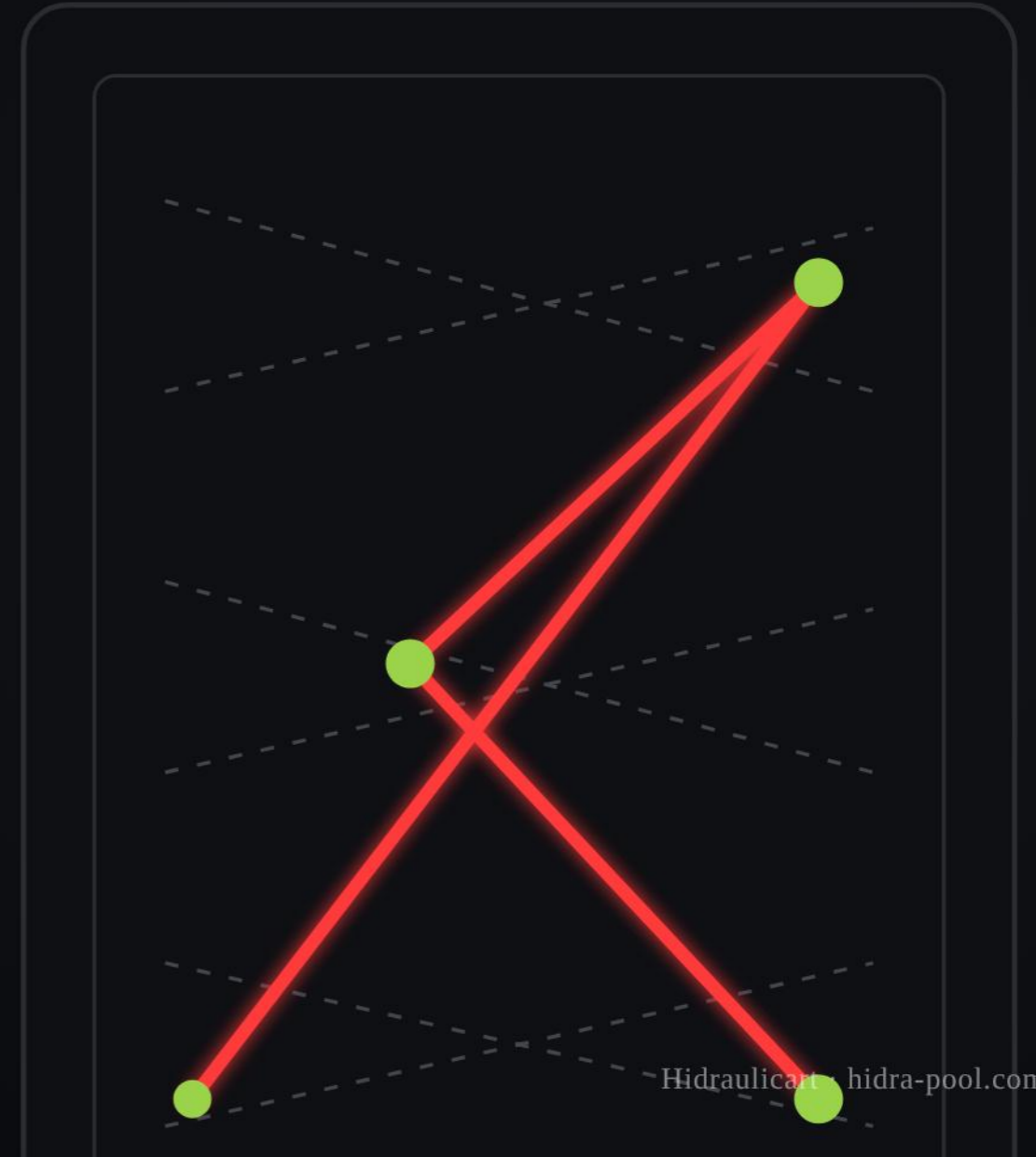
## The End of Pointless Laps.

If the pool just needs a touch-up before guests arrive, the bionic vision maps the dirt and the **Neural Brain directs the robot exclusively to those targets.**

**99%**

**Debris removed in just 20 minutes.**

(Skipping the long, blind 3-hour cycles of traditional machines).



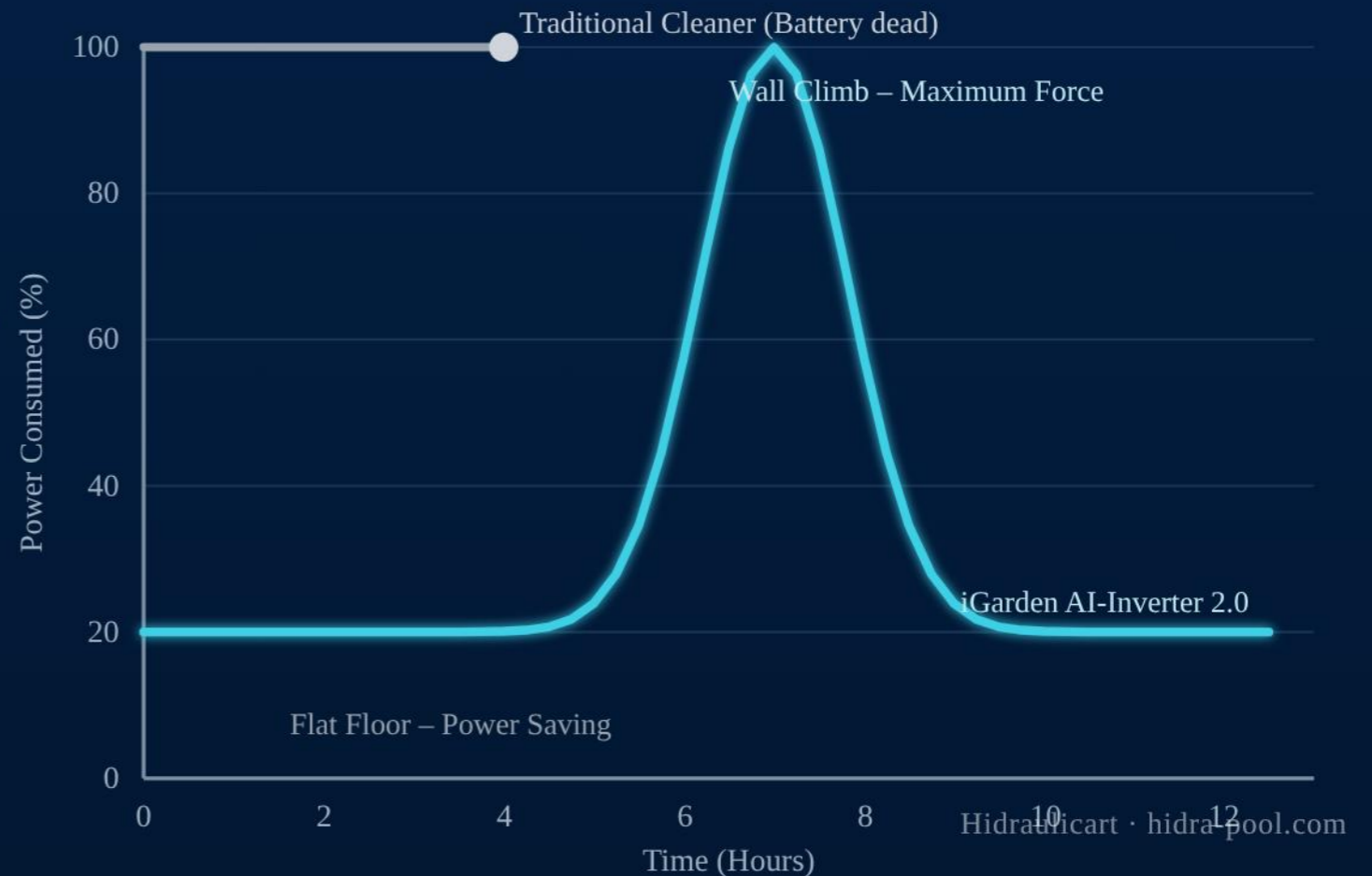
# The Brain: AI-Inverter 2.0 (Adaptive Efficiency).

**Intelligence** lies not only in how it navigates, but in how it breathes. Modulating power from 20% to 100% based on slope and friction, the brushless DC motor spends energy only when needed.

**Visible result:** Up to 10x energy savings (AI Eco-Saving), extending runtime to the top of its class — **12.5h on the M1 Pro-**

**125** — without compromising suction power

## Effort Curve



# The Body: Brute Force with Hydrodynamic Design.

## Dual Traction System

4 wheels + concealed tracks. Grips concrete, vinyl or fiberglass walls (even algae-covered), ensuring slip-free climbs.



## AquaVantage™ (Hydrodynamic Design)

Hypercar-inspired curves channel water flow, turning residual energy into extra thrust and eliminating drag.

## Dual-Force Flow

Two HyperBoost™ pump systems activatable in Turbo Mode (200%-300% power) to pick up the most stubborn debris.

# The Body: Clog Immunity (Dual-Layer Filter).

**The Problem (solved):** After storms, traditional robots stop mid-cycle because the primary basket clogs. Water stops circulating. The robot dies in the middle of the pool.

**iGarden Engineering:** The 4.5 L XL basket integrates a Dual-Layer Filter (150  $\mu\text{m}$  + 30 ppi foam).

**Action:** When dense leaves block the fine mesh, the smart Pressure Relief Valve instantly redirects flow to the secondary filter. The M1 never drops efficiency or loses power



# The Reward: Absolute Mastery of Time.



## Instant Cleaning

**20-Min AI Quick Clean.** For moments when life demands readiness. **99%** of the pool cleaned in the time it takes to set up the loungers.



## Absolute Freedom

**30-Day Hands-Free Cleaning. For invisible everyday care.** The AI Timer schedules automatic cycles (24h/48h/72h). The Neural Brain learns the pool's profile, the Inverter saves battery, and the huge filter handles the debris. 30 days of crystal-clear water with zero manual intervention. The true meaning of Artful Living.



M1 PRO EXCLUSIVE

# The End of Retrieval Anxiety.

No more clumsy hooks or hauling heavy electric cables from the bottom of the pool.

**One-Touch Return (Sonar Waterline Return):** powered by underwater acoustic Sonar communication, a single tap on the pole at the surface tells the robot to end the cycle, climb the nearest wall and park at the waterline.

iGarden M1 Pro-125

**Just reach out. No hassle. No effort. No cables.**

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# The M1 Line: One Intelligence Architecture, Four Levels of Power.

	M1-50 Series	M1-80 Series	M1-100 Series	M1 Pro-125 Series
Max. Autonomy	5 Hours	8 Hours	10 Hours	<b>12.5 Hours</b>
Time Management (AI Timer)	24h / 48h / 72h	24h / 48h / 72h	24h / 48h / 72h	<b>24h / 48h / 72h</b>
Turbo Mode Power	200%	200%	200%	<b>300%</b>
Charging	Standard	Standard	Standard	<b>Fast (3 A) / Wireless</b>
Pro Innovations	—	—	—	<b>Sonar Retrieval / Waterline Climb</b>

# Always Gentle by Design.

The iGarden M1-AI doesn't just clean your pool. It thinks, predicts, manages its own energy and solves obstacles silently. Because in a truly luxurious outdoor ecosystem, technology does the heavy lifting so your space is lived in, not maintained.

**iGarden**

ALWAYS INTELLIGENT · ALWAYS INSPIRING · ALWAYS SUSTAINABLE