

# Nextrend Unveils SAT-10 Cordless Robotic Pool Cleaner with Enhanced Runtime and Smart Navigation

*Nextrend Launches Cordless Robotic Pool Cleaners with Advanced Automation for Residential and Commercial Use.*

HOUSTON, TX, UNITED STATES, April 28, 2025 /EINPresswire.com/ -- [Nextrend](#) today announced the launch of its SAT-10 [cordless robotic pool cleaner](#), designed to simplify above-ground pool maintenance through extended battery life, intelligent route planning, and tool-free retrieval.

## 1. Portability and Performance

Weighing approximately 6 kg—50% less than many corded models—the SAT-10 operates free of power cables to navigate round, oval or irregular pool shapes. Its twin 150 W brushless motors generate a flow rate of up to 8,000 gallons per hour (GPH), lifting debris ranging from fine sand to leaves up to 3 cm in diameter. Integrated path-planning software calibrates cleaning cycles to cover a standard 580 ft<sup>2</sup> footprint in about 60 minutes, ensuring full coverage of floors, walls and waterline without manual steering.

## 2. Extended Runtime Meets Rapid Charging

A 7,800 mAh lithium-ion battery provides up to 180 minutes of continuous operation—sufficient to clean an area of roughly 1,650 ft<sup>2</sup> on a single charge. The integrated quick-charge function restores full capacity in about 3.5 hours, reducing downtime between cleaning sessions.

## 3. Automated Navigation Features

The SAT-10's sensor array includes depth detectors and a gyroscopic module to avoid dry-run conditions and detect changes in slope. Real-time data feeds into an adaptive navigation algorithm that maps the pool's dimensions and adjusts cleaning patterns to minimize overlap. When a cycle completes, the unit reverses direction and propels itself to the pool edge, where an



integrated buoyancy system lifts it for tool-free retrieval.

#### 4. Construction and Durability

Constructed from high-density matte-finish materials, the unit withstands prolonged exposure to pool chemicals and UV sunlight. Waterproof IP68 certification keeps water out at up to 30 meters of depth. Brushless motor design enhances durability and reduces maintenance needs—users rinse the filter section using a garden hose after draining off accumulated debris.

#### 5. Easy Pool Maintenance

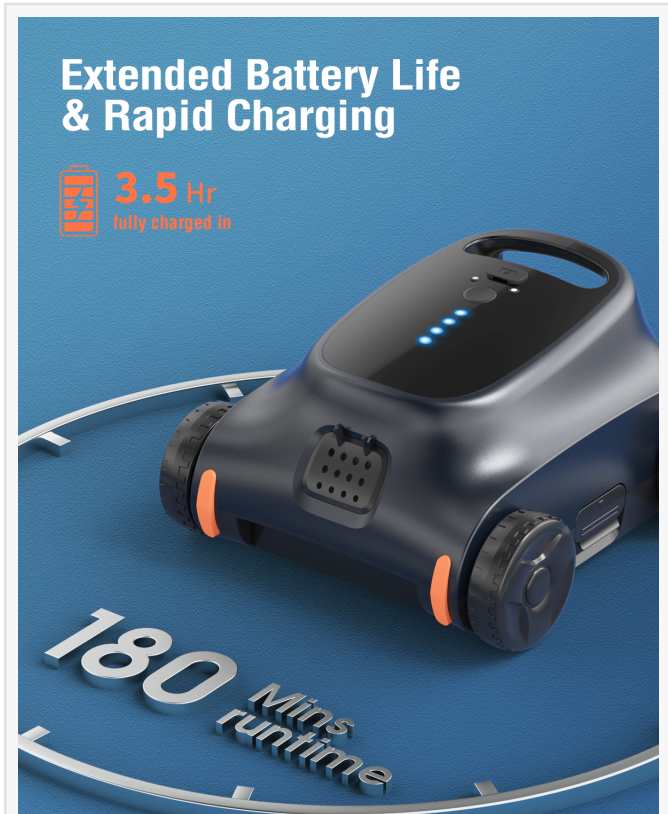
By automating route planning and edge retrieval, the SAT-10 reduces manual labor in routine above-ground pool care. Initial field tests indicate a potential 40% reduction in weekly maintenance time compared to manual vacuuming, while energy consumption remains under 250 Wh per cleaning cycle. Its modular components simplify service and upgrades, aligning with trends in sustainable home-care automation.

#### 6. Conclusion

For homeowners of swimming pools wanting to simplify seasonal upkeep without sacrificing crystal-clear water quality, this [above-ground robotic pool cleaner](#) is a method of caring for the water. With its combination of engineering and practicality in everyday use, it is a major contender in the expanding smart home environment.

#### About Nextrend

Nextrend develops water-care solutions that integrate automation and durable design for residential and commercial applications. The company focuses on advancing maintenance technologies to meet evolving consumer and industry needs.



NexTrend sat10 above-ground robotic pool cleaner



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