




The BAT-tery Advantages

Revolutionizing Battery-Powered Irrigation

Key Takeaways for Users

-  **Superior Battery Management:** Enjoy predictive battery insights, real-time alerts, and low-battery mapping for proactive power management.
-  **Reliability Under Strain:** The BAT's capacitor stabilizes performance, ensuring reliable operation across a wide range of temperatures.
-  **Extended Wire Runs:** Engineered for long distances, the BAT maintains reliable performance even as battery power declines, consistently outperforming competitors.



RAIN BIRD



Resilience Redefined: Onboard Capacitor Sets the Standard

► The Problem

Competitive controllers draw directly from battery power. When battery levels drop or temperatures are extreme, performance degrades.

► Our Solution

The BAT charges its built-in capacitor, storing the necessary energy for operation and prevents direct battery draw. This ensures consistent power delivery, even during voltage dips.

► Why It Matters

- **Weather Resilience:** Stable performance in both cold and hot conditions.
- **Consistent Operation:** Minimizes performance drop-offs by tapping into stored energy.
- **Extended Wire Runs:** When battery power declines, the capacitor supplies sufficient energy for valve operation over long distances.

Industry-Leading

Maximum Wire Run

Over 300% longer than competitors.*

- **12 AWG (4.0 mm²):** 1250 ft (381 m)
- **14 AWG (2.5 mm²):** 750 ft (229 m)
- **18 AWG (1 mm²):** 300 ft (91 m)

*Tested with all Rain Bird® valves that are compatible with TBOSPOL DC-latching solenoid.
*Max distances were tested up to 100 PSI



Wide Temperature Range Functionality

The BAT withstands tough environments making it a durable solution for challenging conditions:

- **Operating Range:** 14°F to 149°F (-10°C to 65°C)
- **Storage Range:** -40°F to 150°F (-40°C to 66°C)

IMPORTANT: Consider AA battery temperature limitations when evaluating overall system performance.



Smart Power Management

The BAT isn't just durable—it's smart. Advanced Rainbird 2.0 App features keep customers ahead of critical failures.

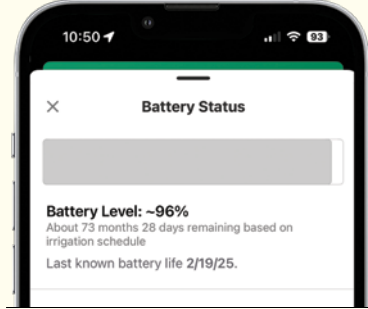


Download the Rain Bird 2.0 App



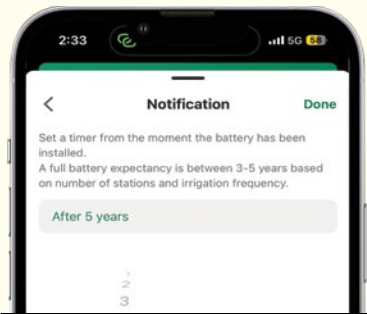
Smart Valve Operation

Prevents waste and damage by ensuring a program won't start without enough power to latch the solenoid off when complete.



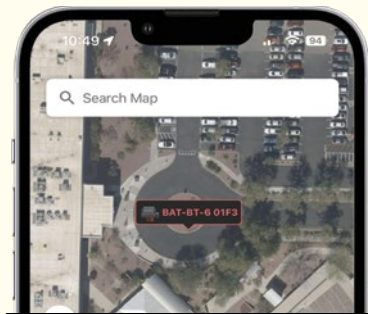
Predictive Battery Management

View battery-life estimates in real time, based on your program settings.



Reminder Notifications

Alerts you when it's time to replace the batteries.



Strategic Mapping

Flags controllers reporting battery levels below 20% with red pins to help you prioritize maintenance visits.

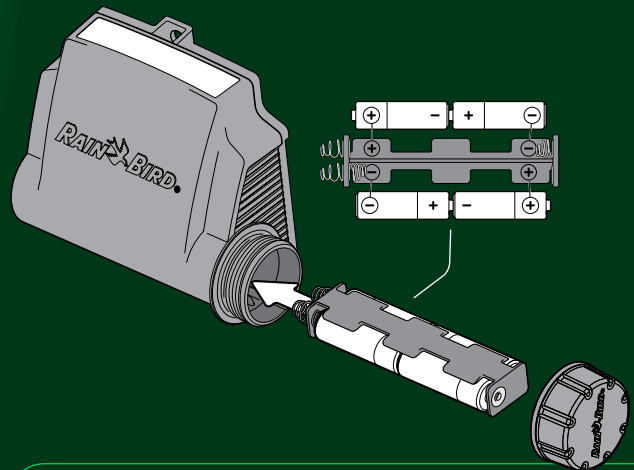
Battery Type Cost Comparison: AA vs 9V

Unlike battery controllers that use 9V batteries, the BAT benefits from AA battery cost efficiency and performance.

FIVE YEAR PERIOD		
Power Source	(1) 9V Battery	(4) AA Batteries
Avg. Battery Price	~\$4	~\$1 x 4 = ~\$4 dollars
Number of Replacements Needed	5	1
Number of Site Visits Needed	5	1
Total Cost of Battery Maintenance	about \$17.50 (€18.70) + 5 site visits	about \$4 (€2.99) + 1 site visit

Key Benefits of AA Batteries

- Extended Lifespan:** Fewer replacements over time.
- Lower Costs:** Significant savings.
- Reduced Waste:** Decreases the environmental impact.
- Fewer Site Visits:** Saves time and resources.



For more information about how the BAT can transform your irrigation system, visit www.rainbird.com/MeetTheBAT.