



You get the flexibility to test battery cells in any quantity, any style, and any size in an environmental test chamber that you already own.

Meet **ATPFLEX**.

*Associated Environmental Systems (AES) is proud to introduce an innovative technology that may forever change how companies perform battery testing – the **ATPFLEX**.*

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In the fast-changing world of battery testing, you need flexible solutions that allow you to test a few or many cells and to use them in your existing chambers. **ATPFLEX** offers two universal styles enabling you to test any battery type, and in any configuration you need, like prismatic, pouch, cylindrical, and coin cells.

Reduce your cost of equipment and labor set-up, channel-to-cycler connection errors, test time, and events. The systematic organization includes insulated hard-wired channels, customized cable connectors for your cycler, and pre-labeled cables. The configuration maximizes your test workspace and eases the pain of building a home-grown battery test set-up and ensuring it runs properly. Put your test engineers' safety concerns to rest: no crossed wires, no exposed live wires, and more time available for actually testing batteries.

When our customers told us they needed battery testing chambers, we responded by creating the **AESATP** fixture. This forerunner to the **ATPFLEX** is a patent-pending modular fixture able to conduct large-quantity tests and is available in a wide variety of battery cells. Both fixture styles meet IEC, UL, SAE, and UN/DOT standards for testing batteries at various temperatures and humidity conditions.

## **Introducing the ATPFLEX**

**ATPFLEX** is the next generation of battery fixtures, one that keeps all of the original **AESATP** system's benefits. Still, it adds flexibility and maintains the efficiency our customers need to keep their battery products moving forward.

The **ATPFLEX** offers several benefits:

- Test in your existing chambers, even those not manufactured by AES; this configuration is ideal for smaller-scale testing
- Test two to six channels safely with little chance of propagation on the custom-engineered, epoxy-laminate, non-conductive test surface
- Mix and match several cell configurations during testing to find the best arrangement to suit your specific needs
- Avoid dreaded "cable spaghetti" and overheating wires with fixed-position wires pre-labeled from each cell to your battery cyclers, making fast error-free connections

All **ATPFLEX** connections, like the Kelvin clips, use durable gold contacts that never corrode and always provide solid current and voltage junctures. The Anderson-power-pole-style contacts allow for universal connections for plug-and-play testing. Power pole combinations let you quickly and easily switch any sized cylindrical holder and any sized coin cell holder, giving you access to test any shape and any size battery.

## **More About Associated Environmental Systems**

AES has built a solid reputation for designing, manufacturing, and supporting standard and custom environmental test chambers to meet our customers' most demanding requirements. From small ½ cubic foot benchtop test chambers to multi-car, drive-in environmental rooms, AES helps companies test their products inside their own facilities, rather than costly outsourcing.

AES has a long history of providing solutions that go beyond common quality testing problems. When customers told us they wanted to monitor their test data, we created innovative hardware to collect, store, read, and analyze test data. AES also created software that connects test chambers within your network so test profiles can be shared, operated, and monitored from a desktop computer, laptop, or tablet. Now, AES gives you more time to safely test as many or as few battery cells as you want.

AES is committed to bringing innovation to environmental test chambers, making product testing more efficient and easier for everyone. Reach out to us to learn about how Associated Environmental Systems can help you solve all of your company's most straightforward or most complex product testing needs.

*All **ATP** products, **AESATP**, and **ATPFLEX**, are patent-pending and are manufactured exclusively by Associated Environmental Systems.*