

# SERVATO SMART POWER SYSTEM PRODUCTS

## ACTIVE BATTERY MANAGEMENT



### Automatically Test Batteries | Extend Battery Life | Monitor Environmental Alarms

The Smart Power System Product Line enables Servato's Active Battery Management™ by connecting with existing rectifiers and batteries. The devices gather data from the rectifier and each battery, use that data to determine when to charge the batteries, send alerts to the customer and connect to ActiView®.

The Smart Power System Product Line is the most advanced way to remotely manage and monitor backup batteries in wireline and wireless networks

## SERVATO SMART POWER SYSTEMS



### SPS-148™

1-String | Designed for Small Enclosures

The SPS-148™ is designed for the smallest OSP sites. The unit can be daisy-chained to support more than 1 string of batteries.



### SPS-248™

2-Strings | Easy Installation | The Most Advanced SPS™

The SPS-248™ is the latest and most advanced version of Servato's flagship product line. It can be daisy-chained to manage up to 16 strings of batteries.



### SPS-48™

4-Strings | Perfect for Larger Sites

The SPS-48™ is the original Servato battery management system with a record of 5-years of flawless field operation. Ideal for COs and large cabinets.

### Reliability

All Servato Systems are engineered to the demanding standards of the field.

- Work exclusively with 12V VRLA batteries, the most common backup battery
- Integrate with the most advanced battery management software, ActiView®
- NEBS Certified (full list of certifications available)
- Battery life extension through proprietary charging
- Enable other IoT probes and sensors
- Manufactured Under U.S. Pat. 9,531,037 B2



Servato solutions are exclusively designed for **12V VRLA batteries in -48V configuration (strings of 4).**

DLC/RT/Wireline Cabinets

Wireline/Wireless/Backhaul Bldgs such as COs/CEVs

Utility Communications Structures

Fiber Re-gen Sites

Small Cells

+ more

# ACTIVE BATTERY MANAGEMENT

## EXTEND LIFE | AUTOMATE TESTING | ENSURE RELIABILITY

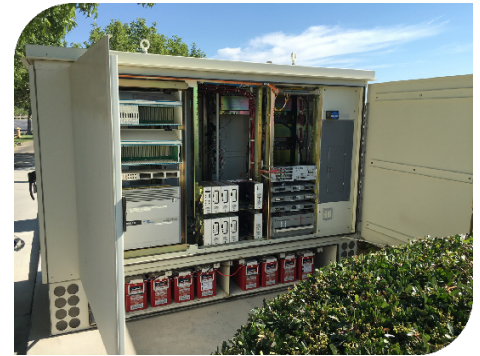
Servato delivers power reliability and cost savings to wireline, wireless, and other applications that rely on VRLAs for backup power. Servato provides the most complete remote battery management available.

### Battery Testing and Data:

- Eliminate manual testing and use real-time data on individual batteries
- Go beyond simple tests - automatically gather highly accurate data on load tests, Voltage, DC Resistance, and more

- Use predictive analytics for proactive replacement by identifying batteries before they fail
- Gather rectifier and temperature data to identify other risk factors
- Double battery life with proprietary charging
- Manage batteries with real-time updates during power outages

**Servato provides confidence in your backup solutions so you know they are prepared for outages. Provide the reliable service you and your customers deserve.**



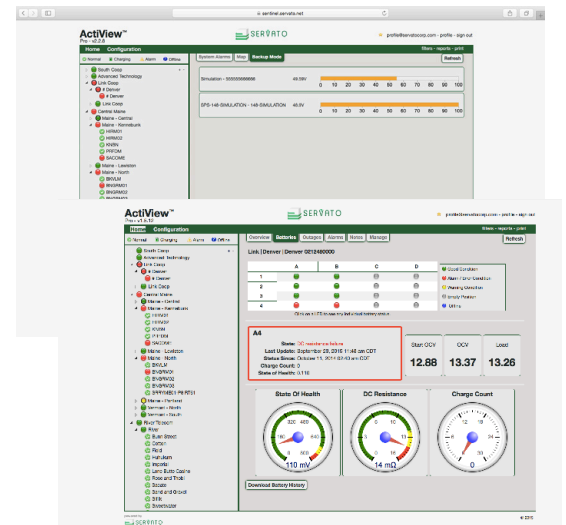
Servato designs solutions for 12V VRLAs in -48V applications.

## ACTIVIEW® | Remote Monitoring and Management

ActiView® is designed to give you peace of mind that your batteries will work when you need them to, ensuring network reliability and efficient management.

### Battery Management Software:

- Easy to use - ActiView® points your technicians directly to any battery issues
- Advanced signature library identifies complex battery issues
- Identify hard-to-find rectifier issues
- Integrate ActiView® seamlessly into your NOC
- Security is built into the solution from the ground up
- Remotely diagnose and correct issues
- Cloud-based software means no servers to maintain



# BATTERY DATA DELIVERS

## Double Battery Life

Using unique charging algorithms that prevent over-charging, Servato is capable of doubling VRLA battery life in outside and inside plant settings. Regardless of the environmental conditions, Servato is capable of slowing the harmful effects of over-charging and temperature.

## Active Management

Most plant managers are forced to address issues as they arise. This usually means they discover weak batteries during outages. With Servato, managers can solve problems before an outage strikes and have confidence that the batteries will be ready, healthy, and reliable.

## Battery Fuel Gauge

Servato provides tools that make power outages easier on your team. Use the Battery Fuel Gauge to determine how much power is available at your sites so that you know where to send your technicians first. Never operate without knowledge again.