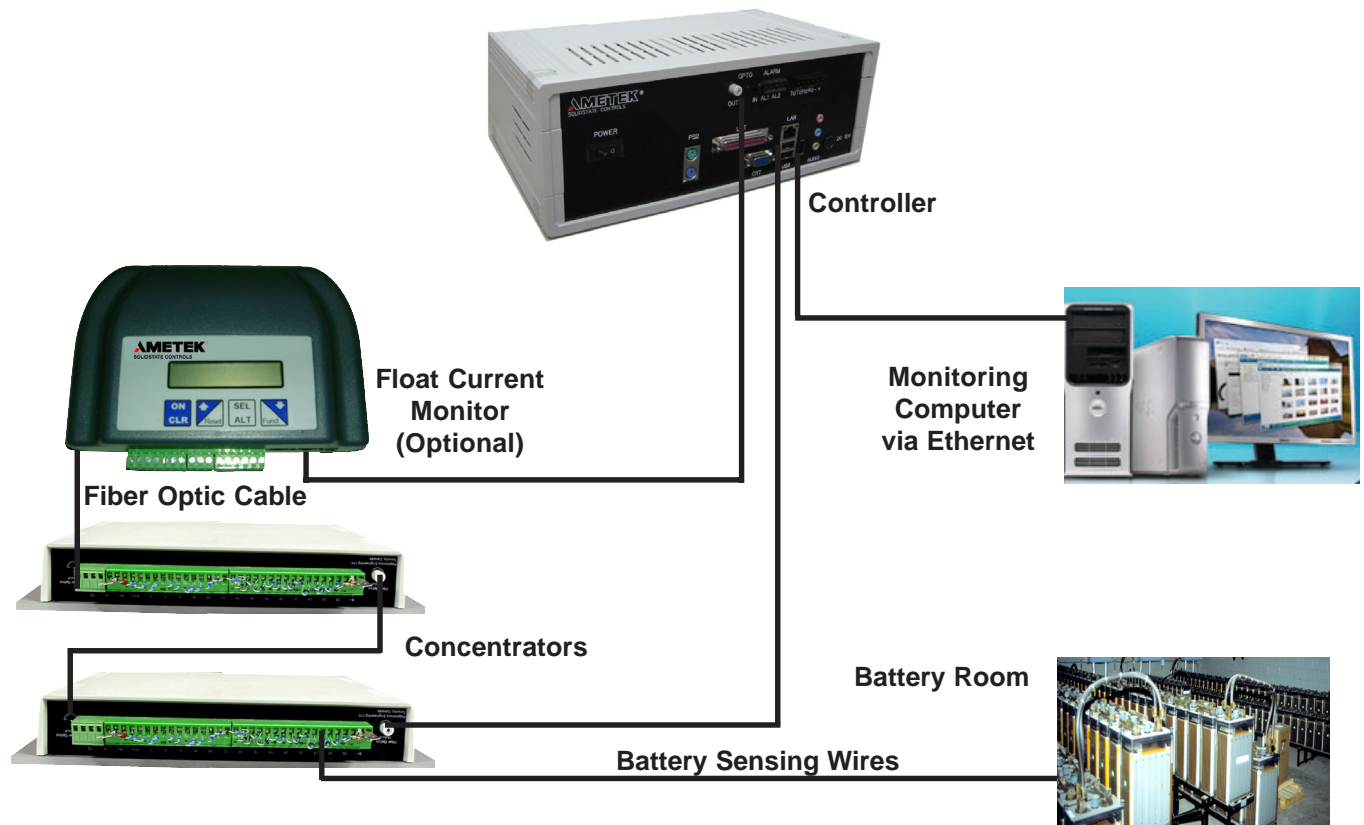




# Industrial Battery Monitoring System

The **CellRx** system from AMETEK Solidstate Controls offers state-of-the-art monitoring and predictive capability for your battery. Each **CellRx** system consists of a Controller, the “brains” of the system, and Concentrators that act as data collectors. A Float Current Monitor can also be added as an option to the standard system.



**CellRx** is compatible with virtually any industrial battery type and configuration. Whether you have 6 cells or 275 cells, **CellRx** is the prescription that you need to maintain the health of your battery systems. AC and DC UPS systems alike depend on battery power to support their critical loads and keep your processes running smoothly 24/7. You can rely on this element of SCI's P<sup>3</sup> Solutions package to give you the assurance that your batteries will be available when needed.

Every situation is unique. That's why each **CellRx** system is custom designed to meet your application and specific requirements. Your battery can be monitored locally or remotely, utilizing advanced communication capabilities such as RS232, RS485/Modbus, and Ethernet.

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## THE BATTERY'S CHOICE

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*The Purpose of our business is to provide continuity of electrical power to keep businesses in business.*

# Technical Specifications

Trending is one of the most important aspects to monitoring batteries. By establishing baseline parameters, users can compare real-time measured values to the baseline data in order to analyze the battery's health and make both short and long term recommendations regarding replacement, refurbishment, etc. as necessary.

## General Data

String Capacity	No limit to number of strings measured
Number of Cells Measured	275 cells per string
Operating Temperature Range	0 - 50°C (32-122°F)
Altitude	0 - 2000 meters (6600 ft)
Relative Humidity	0 - 50% non-condensing at 0 - 50°C
Current	0 - 4000 Amperes / $\pm 1\%$ (using CT)
Cell Voltage	0 - 4.0V / $\pm 1\text{mV}$
	0 - 16.0V / $\pm 20\text{mV}$
String Voltage	0 - 600V / $\pm 0.2\text{V}$
System Power	DC from connected battery
Communications	TCP/IP Ethernet
Dimensions (L x W x H)	
Controller:	9.8 x 4.5 x 2.4 (inches)
	250 x 116 x 60 (mm)
Concentrator:	11.6 x 7.5 x 1.8 (inches)
	296 x 190 x 47 (mm)
Weight	
Controller:	0.9 kg (2 lbs.)
Concentrator:	0.9 kg (2 lbs.)

## System Status/Monitoring

Data Retrieval	Download Data into Excel Spreadsheet
Alarms	High/Low Float Voltage Low Discharge Voltage Open String High Ambient Temperature Battery Exhausted Discharge Response Abnormalities Communications Failure Battery Monitor (Device) Failure Predicted Reserve Time Low Ground Fault High AC Ripple Current
Alarm Contacts	Form 'A' contacts provided for common and communications failure alarm
Alarm Notification	Dedicated Website E-Mail, Pager, and Text Message Locally via Laptop

## Optional Features

Float Current Monitor	AC adapter (100 - 240 VAC, 50/60 Hz)
Pilot Cell Temperature Probe	Memory Upgrade
Communications: RS232, RS485/Modbus	Intercell Readings
Class 1, Div 1 Enclosure	

*Specifications subject to change without notice*



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