

BATTERY MONITORING SYSTEMS

Increase the lifetime, capacity, performance and reliability of the power that supports your critical load with battery monitoring solutions, provided by AMETEK Solidstate Controls.



Are your batteries ready to perform to their full potential?

We offer an ethernet integrated battery monitoring system that uses web management technology to monitor the temperature, internal resistance and voltage of every battery in a given system.

In addition to the standard options in today's market place, we offer one of the most advanced systems of its kind. This system utilizes a patented **Equalizing/Balancing Process** that

calibrates the charging voltage of all batteries with the charger's target value, keeping each battery in its optimal voltage operating range. This balancing process prevents unintended overcharging and/or undercharging, eliminating the ill-effects of improper charging.

Our solution is NERC PRC-005-2 compliant and CE Marking certified.

AMETEK[®]

SOLIDSTATE CONTROLS

PROVIDING CONTINUITY OF ELECTRICAL POWER

FEATURES

MONITORING

Avoidance of over/undercharge, sulfation and outgassing	✓
Battery string charge/discharge current monitoring	✓
Calculation of battery State of Charge (SoC)	✓
Calculation of battery State of Health (SoH)	✓
Individual battery (cell/jar) voltage and impedance monitoring	✓
Patented Equalizing/Balancing Process	Ⓢ
Pilot cell/jar and ambient temperature monitoring	✓
Individual cell/jar temperature monitoring for advance warning of possible thermal runaway	✓
Predictive analysis of possible battery failure	✓

REPORTING

Complete battery event history log with graphical analysis	✓
Measurement and evaluation of battery state of charge	✓
Can send advance warning alarms via email, email-to-SMS, network messaging, SNMP and MODBUS	✓

ALERTS

Alarm contacts that can be used for remote monitoring and/or battery disconnect function	✓
Alert system with integrated web server and alert output contacts	✓
BACnet and Profibus	Ⓢ

INSTALLATION AND MAINTENANCE

One of the simpler systems to install in the industry	Ⓢ
Simplified optimized maintenance of battery systems through remote monitoring	✓

CERTIFICATIONS

CE, CSA and UL	✓
NERC PRC-005-2	✓

Ⓢ These are advanced features that come standard with one of the systems we offer. Please reach out to your Sales Manager for more information.

WORLD HEADQUARTERS

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THE PURPOSE OF OUR BUSINESS IS TO PROVIDE CONTINUITY OF ELECTRICAL POWER TO KEEP BUSINESSES IN BUSINESS.

WE DO THIS BY HELPING CLIENTS SOLVE THEIR POWER PROBLEMS AND BY CREATING THE MOST ECONOMICAL LONG-TERM RESULTS.