

CHASE BMS®

CHASE Intelligent Battery Monitoring System



Real Time Data Capture

- ☑ Individual Cell Voltage 2, 6 or 12V
- ☑ Individual Cell Resistance
- ☑ Individual Cell Temperature
- ☑ String Voltage (0-600 V)
- ☑ Battery String Current (-1000A- to +1000A)
- ☑ Monitor single string of 240 Batteries or
- ☑ 6 Strings x 40 Batteries per console.
- ☑ Easy to Install and delivered pre configured.
- ☑ The 8GB TF card stores data for up to 60 months.
- ☑ Analyze and view data via the built in web Server.
- ☑ Cell state of health (SOH)
- ☑ Battery String Condition (SOC)
- ☑ Bar Graphs, Trend curve analysis
- ☑ Sends an alarm if values exceeds the set threshold.
- ☑ Complies with safety standards CE EMC/FCC/LVD.



Industry solutions:

- * Data centres
- * Telecommunications
- * Utility (Substations)
- * Industrial
- * Remote Sites (Oil and Gas)
- * Rail

CHASE BMS®

The CHASE BMS® System is an advanced Battery Monitoring System controller designed to provide continuous monitoring and data logging of secondary battery floating applications utilising a battery transducer. The CHASE BMS uses the transducers to measure and store individual battery voltage, impedance, and temperature and uses proprietary algorithms to analyse battery performance and generate alarms.

The CHASE BMS can monitor up to 240 batteries arranged in a maximum of 6 Strings. The integrated web interface means that the CHASE BMS can be connected on any standard LAN network, and information accessed using a standard web browser with security from any remote PC. The frequency of collecting static battery data is variable and time intervals would typically provide approximately four months of local data

storage for battery voltage and temperature readings. This data is recorded at greater frequency during a discharge cycle and readings can be stored locally every 30 seconds for a typical three hour discharge. Impedance trending of batteries over time provides life cycle indications. The CHASE BMS stores 60 Months of impedance data for all batteries in internal non-volatile memory.

The web interface provides on-line access to live battery voltage, temperature and impedance graphical displays, active alarms, data and event log displays, and long-term impedance trends for each individual battery block. The interface also provides for full system setup, including remote download of software upgrades.

Transducers Measurement Range and Accuracy values.

Item	Voltage	Temperature	Internal resistance
C 802	1.6V to 2.6V (± 0.2%)	-20 ⁰ to 85 ⁰ C ± 5 ⁰ C	0.1mΩ to 100mΩ Error Message on +1.5%
C 812	4.8V to 15.6V (± 0.2%)	-20 ⁰ to 85 ⁰ C ± 5 ⁰ C	0.1mΩ to 100mΩ Error Message on +1.5%
C 800	0V-500V	String Current: -1000A ~ +1000A	

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