



Data Logging Display Module

The CAN Data Logger and Display module for the Orion BMS / Orion Jr. BMS (CAN version only) provides visual feedback of the essential information on a battery pack as well as data logging capabilities for diagnostics. This display and logging combo connects to an Orion BMS unit via CAN (Controller Area Network) and logs user-selected data to a memory card while displaying State of Charge, Power Limited (reduced output power), and the Malfunction Indicator Status (error indicator).

Product Specifications

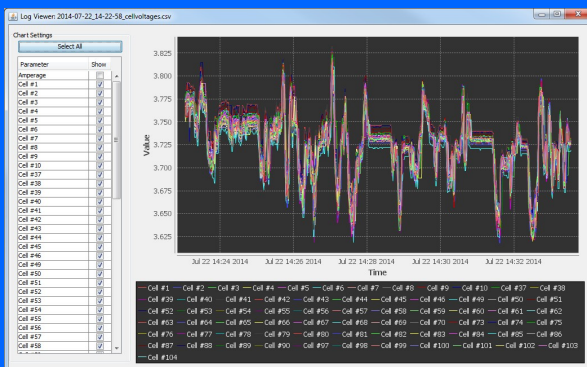
- Operates with the Orion BMS and Orion Jr. BMS (CAN version only) from Ewert Energy Systems (BMS sold separately)
- Full automotive operating temperature range (-40C to 80C)
- Logs to memory card at user selectable sampling rate
- Able to log individual cell voltages in addition to overall BMS parameters
- Compact size and shape
- Connects to the Orion BMS via CAN (no analog connections)
- External "event trigger" input which can flag events for future review
- Log graphing and analysis software
- Real time clock to store data and time of each charge / discharge cycle
- Supports CAN frequencies of 125, 250, 500Kbps, and 1 Mbps
- User customizable logging frequency from 100mS to 10 seconds
- Compatible with micro SD memory cards up to 32GB

Physical Specifications

- Dimensions: 2.7 in (6.9 cm) W x 1.9 in (5.0 cm) L x 0.78 in (2.0 cm) H
- Product weight: 1.7 oz
- Connector: Molex part number 0050579406
- Supply voltage: 10-16 Vdc
- Supply current: 65 mA at 12 Vdc (with all LEDs on)

The Data Logging Display Module is a product of Ewert Energy Systems, Inc.

Ewert Energy Systems is a research and development company focused on developing solutions for plug-in hybrid and electric vehicles and other energy storage applications.



 A screenshot of the 'Chart Data Logfiles' utility window. It shows a table of recorded log files with columns for 'Filename', 'Log Date', 'Size', and 'Log Type'. Below the table are buttons for 'Chart Selected Logfile' and 'Close Window'.

Filename	Log Date	Size	Log Type
526.odf	Jul 23 20:47 2014	71.4 KB	DISCHARGE
525.odf	Jul 23 15:00 2014	4633.7 KB	CHARGE
524.odf	Jul 22 16:11 2014	2303.1 KB	CHARGE
523.odf	Jul 22 15:20 2014	20.7 KB	DISCHARGE
522.odf	Jul 22 15:05 2014	184.6 KB	DISCHARGE
521.odf	Jul 22 14:47 2014	32.1 KB	DISCHARGE
520.odf	Jul 22 14:22 2014	401.3 KB	DISCHARGE
519.odf	Jul 22 14:04 2014	296.5 KB	DISCHARGE
518.odf	Jul 22 14:02 2014	8.4 KB	DISCHARGE
517.odf	Jul 22 14:02 2014	2.1 KB	DISCHARGE

Screen shots of the data logging display module utility