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F-BMS1

Wireless Battery Monitoring System



The ION Wireless F-BMS1 is the worlds most compact, easy to install, simple to operate and cost effective battery monitoring solution. Easily retrofitted and compatible with all lead acid battery types the battery monitoring system provides real time individual battery voltage and temperature measurements and overall string current. Each sensor pod can support up to 12 individual strings for a maximum of 100 individual batteries. Multiple sensor pods can be used to support large battery installations and provide monitoring redundancy.



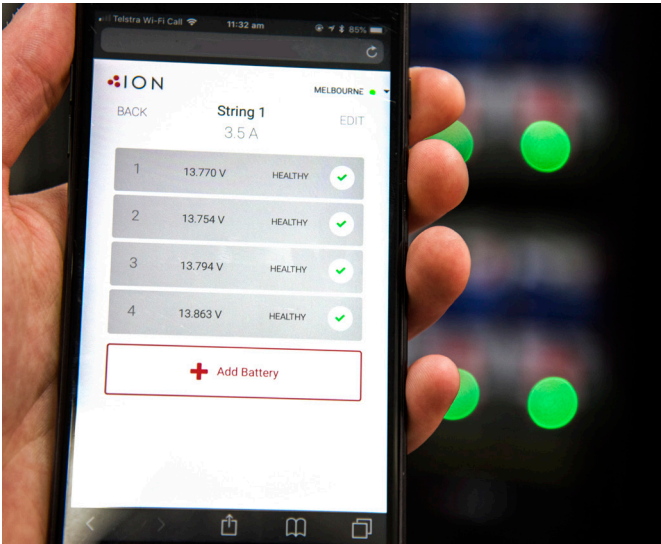
F-BMS1 operating with 2 strings of 4 batteries.

F-BMS1 FEATURES

- Cloud Ready
- Small foot print
- Simple and intuitive installation
- Wireless communications to head unit – no inter-battery cabling
- Universal monitoring – works with any lead acid battery
- Wide voltage range – compatible with 2V, 6V and 12V batteries.
- Easy software setup and configuration via mobile devices
- Data stored locally or pushed to cloud
- 100 Batteries or 12 strings per sensor pod

Integration

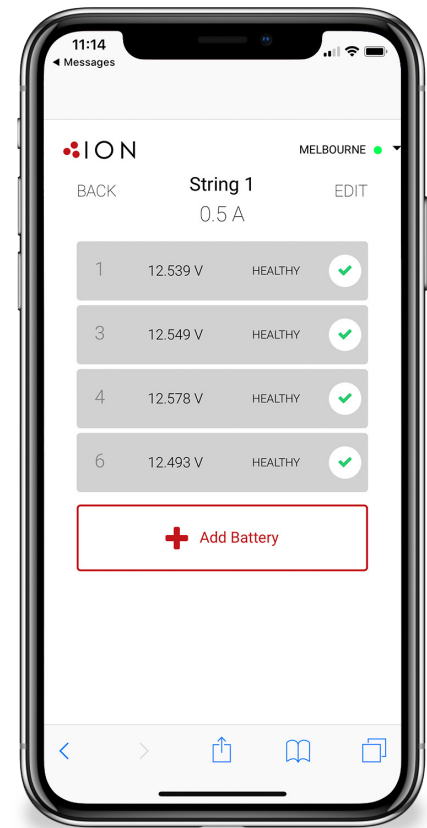
Designed for easy integration and set up via a mobile device, the F-BSX sensors work seamlessly with the SP12B sensor pod. The F-BSX sensors communicates with the SP12B sensor pod via Wireless eliminating complicated wiring looms and greatly simplifying installation.



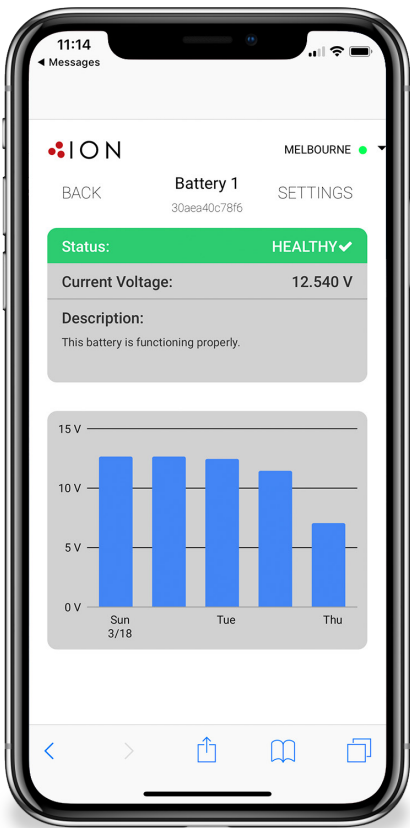
F-BMS1 configured onsite using mobile device

Software

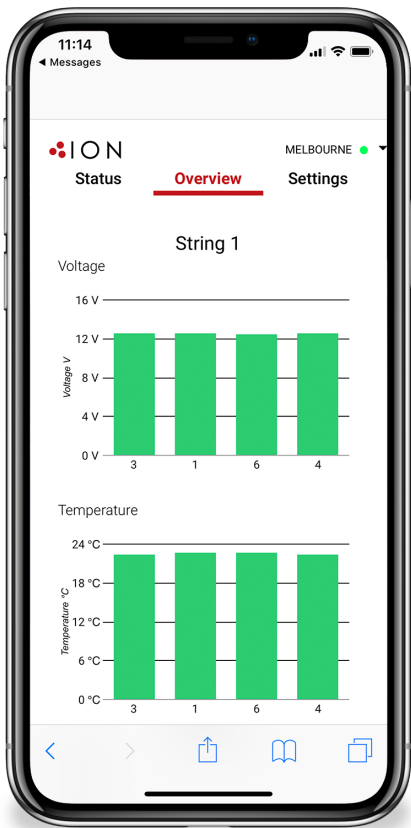
The F-BMS1 can be viewed from either mobile devices or standard desk tops with the user login. Both views will provide you with the same real time battery voltage and temperature measurements.



F-BMS1 can interrogate each individual string from a battery level



F-BMS1 Shows the Voltage history and status of each battery in the string

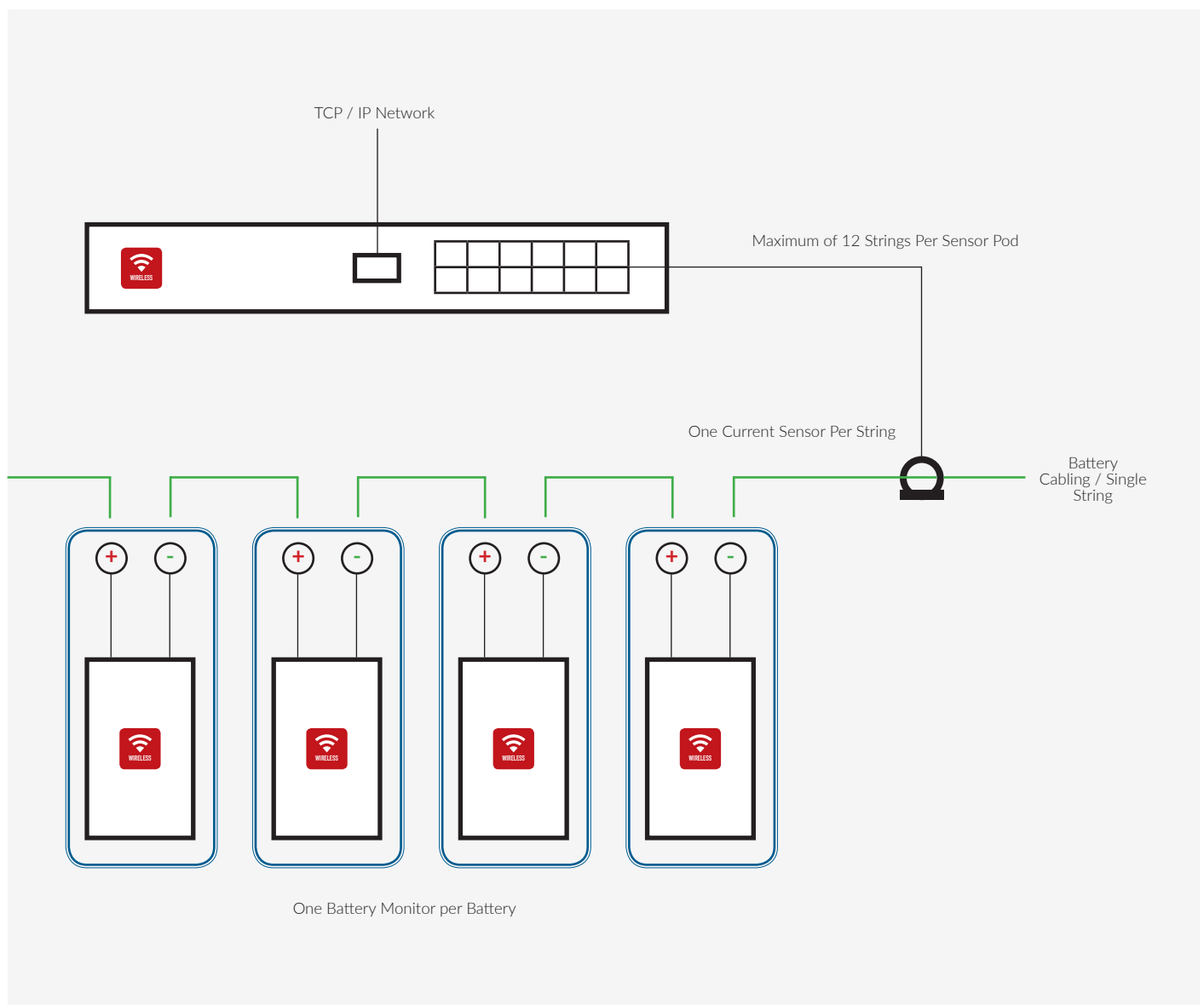


F-BMS1 Overview shows Voltage and Temperature status of all the strings being monitored

*Product specifications are subject to change without further notice.
*2 year warranty please refer to the ION website for more information.

→ Installation

Installation is made easy with its compact 1RU sensor pod that can monitor a maximum of twelve strings or one hundred batteries per F-SP12B. The bi-directional F-SCSX split current sensor supports AC or DC current and has options for 100A, 200A and 500A options. The F-BSX battery monitor communicates with the SP12B sensor pod via Wireless eliminating complicated wiring looms and greatly simplifying installation. The F-BSX measures real time battery voltage and temperature and provides visual communications via an on board multicolour LED status indicator. The preassembled battery loop (positive and negative) can be quick connected / disconnected from the battery monitor enabling quick change overs and no re-cabling.



F-BMS1

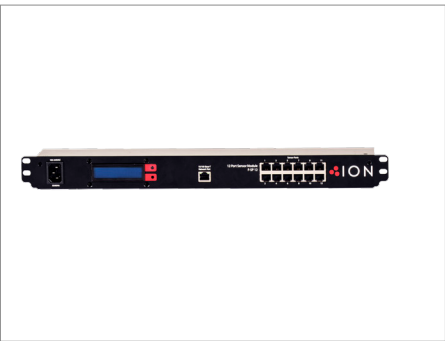
Wireless Battery Monitoring System

Specifications

	F-BMS1
Battery compatibility	Sealed / Wet Lead Acid
Battery Voltage	2V, 6V, 12V
Inter Battery Communications	Bluetooth Low Energy (BLE)
Measurement Types	Individual Battery Voltage and Temperature, String Current
Current Measurement Range	0 – 500 Amps
Visual Indicators	Multifunction LCD Display on Sensor Pod, Multicolour LED on Individual Battery Monitor
Warranty	2 Year Warranty
Maximum Wireless Range	0-30 meters (subject to local interference)

Components

At a minimum each F-BMS1 solution requires a single F-SP12B sensor pod, one or more F-BSX battery monitors and one F-SCSX current sensor per string.



F-SP12B SENSOR POD

Supports

- Max 12 current sensors
- Max 100 battery sensors



F-BSX BATTERY MONITOR

Supports

- 2V batteries
- 6V or 12V batteries



F-SCSX CURRENT SENSOR

Supports

- AC or DC Current
- 100A, 200A or 500A Capacity

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