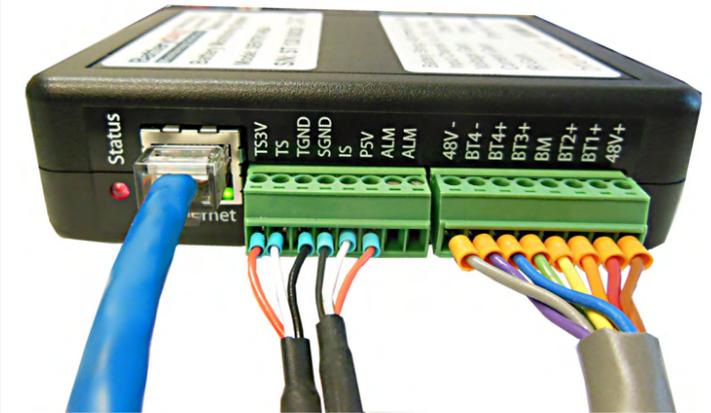


Battery Monitoring System

SentryNB4



SOLAR POWERED FLASHING BEACON	Common Applications:		Options:
SentryNB4 monitor provides powerful functions for online state-of-health battery management for large scale remote telecom cabinets or stations. The compact design makes it suitable for any size indoor/outdoor 24V or 48V system cabinets with 12V or 6V battery blocks. It combines superior data quality and ease of installation for effective remote battery management in accordance with the most recent IEEE standards: IEEE Std. 1188 - 2005: Recommended Practice for Maintenance, Testing, and Replacement of Valve-Regulated Lead-Acid (VRLA) Batteries for Stationary Applications (See below for IEEE Link)	Telecommunication	HPMS - Highway	Online IR (Internal Resistance) measurement to detect battery failure.
	Cabinets	Performance	Thermal runaway detection and protection control output
	Cable/Broadband	Monitoring Systems	On-board data analysis for battery health evaluation.
	Cabinets	Solar Powered Radio	Industrial grade, compact design for indoor/outdoor applications.
	Traffic Light	Stations/Cell Sites	Embedded web pages for remote monitoring.
	Control Cabinets		Compatible with MyBattery Platform™ for large scale
https://standards.ieee.org/standard/1188-2005.html			Integration support for 3rd party network battery management systems.



Specifications



Power Supply		Internal Resistance	
Power Input	Internal DC/DC converter, 18-60V input; Maximum Consumption: 3W	Range and Resolution	0 to 30mΩ, 0.01mΩ resolution
Current/Temperature Measurement		Wire mode	1-wire mode Internal Resistance for each battery block
Current Sensor	Supports LEM HASS current sensor with internal +5V power supply	Communication	
(Optional)	(Default range +/- 300A, window size 20mmx10mm)	Ethernet	Onboard Ethernet DTU Embedded web pages for real-time data and configuration/calibration Compatible with Battery Analyzer software and MyBattery Platform
Temperature Sensing	1 temperature sensor, intelligent thermal runaway detection algorithm	Indication and Output	
Temperature Range	Measurement range: -40 to 65°C Operating range: -40°C to 65°C (-40°F to 149°F)	LED indication	Dual-color LEDs for status and alarm
Accuracy	1 °C	Control Output	Normal Close, 0.1A capacity to control charger/rectifier ON/OFF for thermal runaway protection
Voltage Measurement		*Specifications subject to change without notice	
Battery Configuration	48V system, 4 x 12V batteries 24V system, 2 x 12V or 4x6V batteries [Special order available for 12V and 36V systems.]	www.TrafficOB.com	sales@trafficob.com (346) 320-6070
Bus Voltage	Range: 18 - 60V; Accuracy: 0.1%		
Input Range to Each Channel	+/- 18V for 12V batteries		
Accuracy	0.1%		