

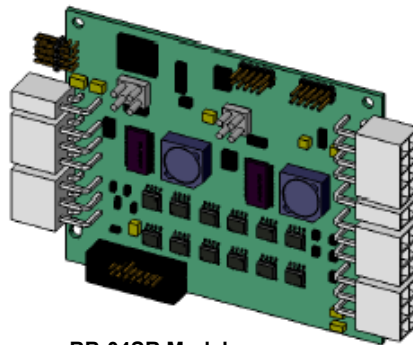


## Intelligent Battery and Power System (IBPS)™

### BB-04SR/FR Battery Management Module

#### Data Sheet

The BB-04SR/FR gives equipment manufacturers a fully engineered, drop-in RoHS solution for adding autonomous battery-based power to new or existing designs. For size and weight sensitive applications, the BB-04xx battery packs, based on Lithium-Ion chemistry, provide up to five times the power, at one-quarter of the weight, of comparable lead-acid battery systems. The BB-04xx is a cost effective way to add up to 380 Whrs of rechargeable Lithium Ion battery power to a variety of devices. The BB-04xx is ideal for low current devices and comes in two sizes.



BB-04SR Model

#### Basic Data for BB-04SR/FR

- > Two sizes: BB-04FR 3.6" x 3.8" and BB-04SR 2.91" x 3.58"
- > Max Power Limits: Current 12 Amps; Power 160 Watts
- > Charge Current (Per Battery 4 Amps; Per Module 8 Amps)
- > Charge DC Voltage 18-24 Volts; Charging Simultaneously Level III
- > Battery Packs Supported 1-4 Smart Packs (Standard Packs 14.4V 95 Whr Pack)
- > Standard Packs are 14.4V Nominal (Discharge Range 16.8 - 12 Volts)
- > Controller Supports Both Mini Bats and Full Bats Monitoring Software
- > RoHS Compliant; Visit OceanServer Download Page for Drawings and 3D Models

#### Optional DC-DC Converter Modules (Regulated Outputs)

- > DC-123SR provides ATX Voltages 3.3V@10A Max, 5V@10A Max, 12V@ 12A Max (-12V standard)
- > DC2U-1VR provides Regulated 19V, 24V, 28V or 48V (Jumper Selectable; 240 Watts Max)
- > DC1U-1V provides Regulated 24V or 28V (Factory Set; 75 Watts Max)

#### BB-04xx Kit Ordering Options

- > EK-04 Unregulated Power Kit - Includes BB-04FR, power supply, cables and software
- > EK-05 Regulated Power Kit - Includes BB-04FR, DC123SR, power supply, cables and software

Note: The BB-04SR and BB-04FR are functionally identical