

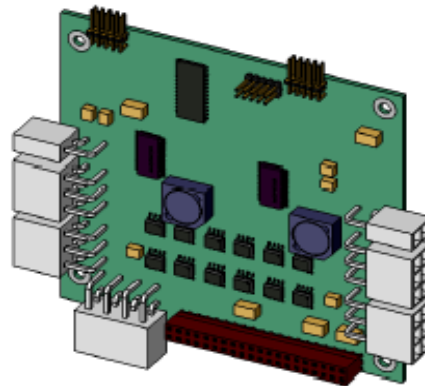


Intelligent Battery and Power System (IBPS)™

BB-04R Battery Management Module

Data Sheet

The BB-04R 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-04R 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-04R is a cost effectively way to add up to 380 Whrs of rechargeable Lithium Ion battery power to a variety of devices. The BB-04R is ideal for low current devices.



Basic Data for BB-04R

- > Size 3.55"x3.775" PC/104
- > 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-023R provides ATX Voltages 3.3V@10A Max, 5V@10A Max, 12V@ 7A Max (-12V optional)
- > 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)