

LITHIUM ION BATTERY CABINET BCL04 DATA SHEET



High Power Density, Long Life, Low Total Cost of Ownership

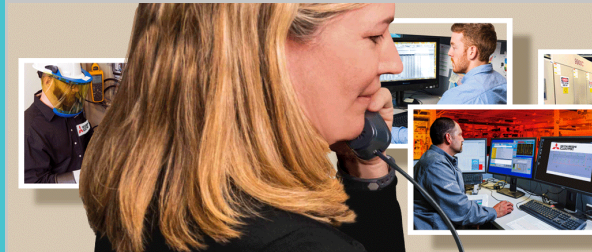
The Samsung lithium ion battery solution, BCL04, was specially designed to meet the demands of large scale UPS applications. With the high current capabilities of the Lithium Manganese Oxide / Nickel Manganese Cobalt Oxide mix (LMO / NMC), this battery is capable of providing megawatts of power in just a few strings. Pair the high power density with its 15 year design life, and it has quickly become a leading battery solution for large scale Cloud and Colocation providers.

Choosing a reliable and safe energy storage vendor is of paramount importance. Mitsubishi Electric partners with the largest manufacturers of energy storage batteries in the world; their expertise in the design and manufacturing of lithium ion modules paired with redundant control architectures creates one of the safest lithium ion systems on the market. When you need your UPS battery to be as reliable as a Mitsubishi Electric UPS, look no further.

BCL04 is available for use with the following UPSs: 9900Aegis, 9900B, 9900C, 9900CX, and Summit Series.

ABOUT US

The Mitsubishi Electric name has long been recognized as one of the world's leaders in the manufacture of electrical products. From its founding in 1921, Mitsubishi Electric has been at the forefront of technical ingenuity and product innovation. Since 1964, Mitsubishi Electric has been manufacturing precision engineered highly reliable Uninterruptible Power Supplies and solving the challenges of American critical facilities since 1985. Mitsubishi Electric leads the way in technological advances of uninterruptible power supplies and is the only major brand that manufactures its own semiconductors. Mitsubishi Electric holds the highest efficiency rating for the AC-Double Conversion (VFI) category on the Energy Star web site and openly shares reliability data.



OUR SERVICES

Mitsubishi Electric's highly reliable and efficient products are backed by a full range of Field and Factory Services:

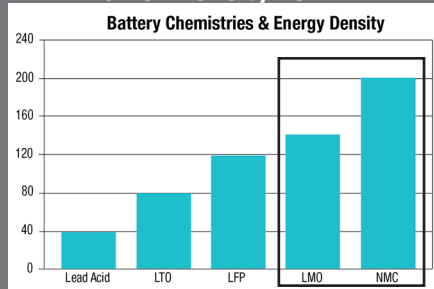
-  **FACTORY TESTING & STARTUP**
-  **24/7 CUSTOMER SUPPORT**
-  **MAINTENANCE & REPAIRS**
-  **BATTERIES & BATTERY SERVICES**

Simply call 800-887-7830 for assistance.

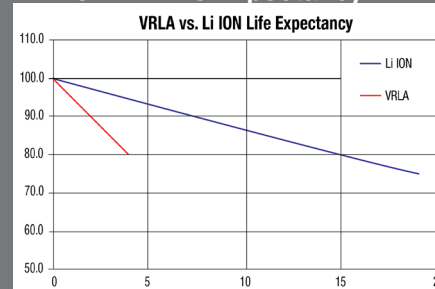
FEATURES & BENEFITS

- 40-60% Smaller Footprint than VRLA
- 60% Lower Weight than VRLA
- Low Maintenance
- 2 Year Warranty
- 15 Year Life Span
- 40% Reduction to Your Total Cost of Ownership over VRLA with 3x Longer Life!

4X Power Density vs VRLA



3X-4X Life Expectancy



Integrated Rack Control Module

- Safety Protection at the Rack Level for Voltage, Current and Temperature
- 600A MCCB for Rack Isolation
- Modbus TCP/IP Communication Port
- Redundant Control Power Supplies
- Single Hole Input Power Connections
- Top Access Cable Entry



The Lithium Ion Battery for High Power Applications!

- High Discharge Current Capability
- Largest Discharge Power
- Small Footprint
- Low Total Cost of Ownership



Battery Module

- Long Life and High Power
- Multi-layered Safety Power Cell
- Built-in Battery Monitoring
- Laser Welded Construction


NOTE: Above illustrations are not to scale.

BCL04 Lithium Ion Battery Cabinet

Battery Type	Lithium Manganese Oxide / Nickel Manganese Cobalt Oxide mix (LMO / NMC)
Module type	M2031AE
Number of Modules	17
Nominal Voltage	516.8 VDC
Operating Voltage Range	435 - 571 VDC
Capacity	
Maximum Discharge Power	184 kW
Maximum Discharge Cp-Rate	6 CP
Max Recharge Current	22.3 A
Max Recharge Cp-Rate	0.33 CP
Available Energy	34.6 kWh
Nominal Capacity	67 Ah
Maximum Discharge Current	450 A
Peak Discharge Current (1s)	600 A
Operation	
Operating Temperature	18 to 28°C
Shipping Storage Temperature	0 to 40°C
Communications	Modbus TCP/IP
Listings	UL1642, UN38.3, UL1973, UL991, UL1998, UL9540A
General	
Dimension (W x D x H) (in)	25.6 x 23.6 x 80.9
Weight (lbs)	1183

IT'S TIME TO RETHINK YOUR UPS.

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 724-772-2555



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