

LITHIUM ION BATTERY CABINET BCL04-BBA01 DATA SHEET



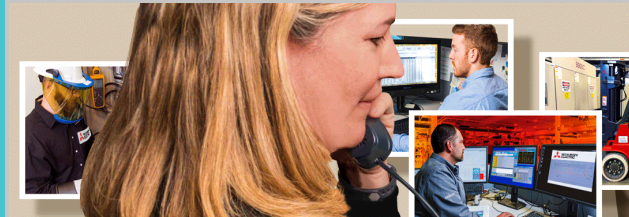
High Power Density, Long Life, Low Total Cost of Ownership

The Samsung lithium ion battery solution, BCL04-BBA01, was specially designed to meet the requirements of high power density applications. Pairing this battery with the Mitsubishi Electric 1100 series of UPS provides you long runtimes with a minimal number of cabinets and reduced maintenance. Pair the high power density with its 15 year design life and small footprint and the BCL04 lithium battery solution is a clear choice for demanding small UPS applications such as Edge Data Centers.

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.

ABOUT US

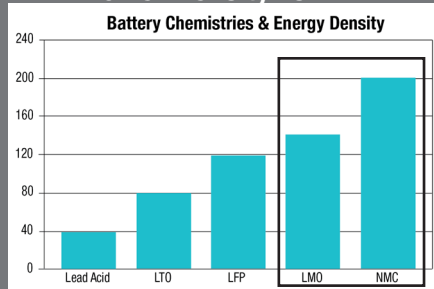
The Mitsubishi Electric name has long been recognized as one of the world's leaders in the manufacture of electrical products. From its founding in 1921, Mitsubishi Electric has been at the forefront of technical ingenuity and product innovation. Since 1964, Mitsubishi Electric has been manufacturing 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.



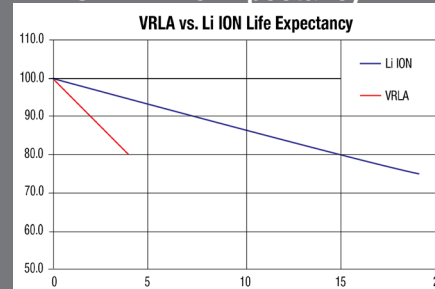
FEATURES & BENEFITS

- 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



OUR SERVICES

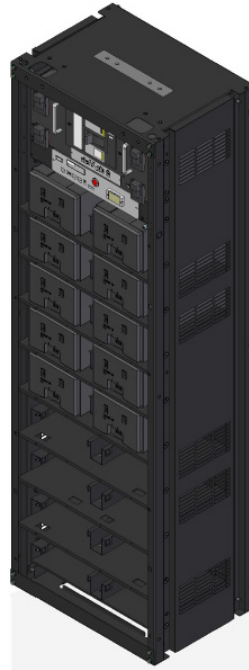
Mitsubishi Electric's highly reliable and efficient products are backed by a full range of Field and Factory Services:

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

Simply call 800-887-7830 for assistance.

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
- 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-BBA01 Lithium Ion Battery Cabinet

Battery Type	Lithium Manganese Oxide / Nickel Manganese Cobalt Oxide mix (LMO / NMC)
Module type	M2031AE
Number of Modules	10
Nominal Voltage	304 VDC
Operating Voltage Range	240 - 336 VDC
Capacity	
Maximum Discharge Power	108 kW
Standard Recharge Current	22.3 A
Standard Recharge C-Rate	0.33 CP
Available Energy	20.4 kWh
Nominal Capacity	67 Ah
Maximum Discharge Current	450 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 20.9 x 80.9
Weight (lbs)	920

IT'S TIME TO RETHINK YOUR UPS.

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