

# LITHIUM ION BATTERY CABINET BCL05 DATA SHEET



Light Weight, Long Life, Low Total Cost of Ownership

*The Saft Flex'ion lithium ion battery solution, BCL05, is purposefully designed for mission critical applications. Utilizing Lithium Iron Phosphate (LFP) technology, the BCL05 solution provides a 20 year life span, far superior to lead acid batteries, and is built for short 5 minute EOL (End of Life) solutions. BCL05 is easy to install and requires no additional control power. Once installed, the connectivity to your building management system is simple to complete with standard Modbus TCP/IP communication and Integrated HMI display. BCL05 is capable of being remotely monitored using a secure smart device to make operational checks a breeze.*

*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, then look no further.*

*BCL05 is available for use with the following UPSs: 9900Aegis, 9900B, and Summit Series.*

## ABOUT US

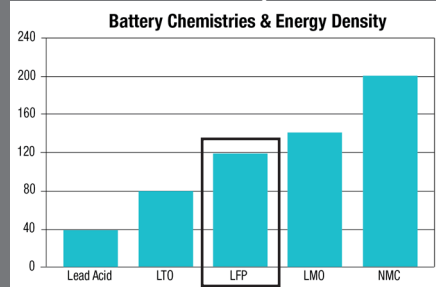
The Mitsubishi Electric name has long been recognized as one of the world's leaders in the manufacture of electrical products. From its founding in 1921, Mitsubishi Electric has been at the forefront of technical ingenuity and product innovation. Since 1964, Mitsubishi Electric has been manufacturing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



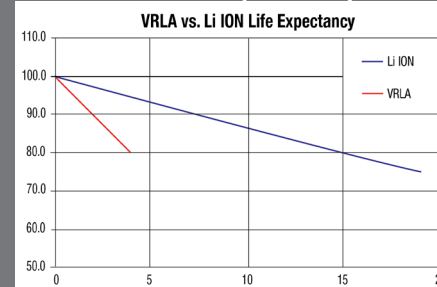
## FEATURES & BENEFITS

- 40-60% Smaller Footprint than VRLA
- 60% Lower Weight than VRLA
- Low Maintenance
- 5 year Warranty
- 20 year Life Span
- 40% Reduction to Your Total Cost of Ownership over VRLA with 4x Longer Life!

3X Power Density vs VRLA



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 Protections at the Rack Level for Voltage, Current and Temperature
- LCD System Display
- 300A MCCB for Rack Isolation
- Modbus TCP/IP Communication Port
- Internally Derived Control Power
- Single Hole Input Power Connections
- Top Access Cable Entry



### Smart Monitoring & Data Access

- State of Charge (SoC), State of Health (SoH), Temperature, Alarms, etc.
- Multiple Protocols Embedded (Modbus, CanOpen, TCP-IP) for Communication
- Data Direct Access via Touchscreen HMI on the Cabinet Front Face
- Remote Access to Battery Information and Remote Troubleshooting Ability



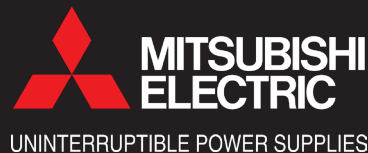
### Battery Module

- Long Life and High Power
- Multi-layered Safety Power Cell
- Built-in Battery Monitoring
- LFP Chemistry For Safer Operation

NOTE: Above illustrations are not to scale.

# IT'S TIME TO RETHINK YOUR UPS.

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## BCL05 Lithium Ion Battery Cabinet

Battery Type	Lithium Iron Phosphate (LFP)
Module type	46 PFe
Number of Modules	11
Nominal Voltage	506 VDC
Operating Voltage Range	400 - 585 VDC
<b>Capacity</b>	
Maximum Discharge Power	130 kW
Maximum Discharge Cp-Rate	11 CP
Max Recharge Current	22.3 A
Max Recharge Cp-Rate	0.2 CP
Available Energy	14.2 kWh
Nominal Capacity	28 Ah
Maximum Discharge Current	300 A
<b>Operation</b>	
Operating Temperature	0 to 40°C
Shipping Storage Temperature	0 to 40°C
Communications	Modbus TCP/IP
Listings	UL1642, UN38.3, UL1973, UL991, UL1998
<b>General</b>	
Dimension (W x D x H) (in)	24.1 x 20.2 x 82.7
Weight (lbs)	900