



# LZM Series

## UPS Li-ion Battery System

Cost-performance optimized lithium-ion battery solution for 10-30 mins backup requirement in commercial and Industrial applications.



### Safe & Reliable

IEC62619 & UL1973 certified, and UL9540A tested



### 2-3x Longer Life

Less maintenance to reduce total cost



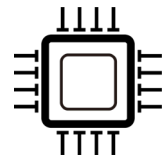
### 1/3 Footprint

More power to reserve more space



### 5x Faster

Up to 10x faster charging performance for improved charge times. (1C vs. 0.2C)



### Unique BMS Design

Offers advanced BMS, like remaining discharging time update



Industrial



Data Center



Commercial



Technical Specifications

Model		LZM-12		LZM-08	
		BSPRU-GT3121P0GLC	BSPRU-GT3121S0GLC	BSPRU-GT3081P0GLC	BSPRU-GT3081S0GLC
ELECTRICAL					
Nominal Capacity (Rated Capacity)		43.5 kWh (40.3kWh)		29.0 kWh (26.8 kWh)	
Nominal Voltage		537.6V		358.4V	
Standard Charge Cut-off Voltage		579.6V		386.4V	
Standard Discharge Cut-off Voltage		487.2V		324.8V	
Charge Current		Continuous: 81 A (25°C)			
Discharge Power (DC)		200 kW with 10mins (BOL)		133 kW with 10mins (BOL)	
Battery Cell Capacity		27 Ah (LFP Chemistry)			
Configuration		12 modules (14S3P) / Rack		8 modules (14S3P) / Rack	
Life Cycle		More than 2500 cycles, 1C/1C, 25°C, EOL: 80% SOH			
SYSTEM BMS FUNCTIONS					
Monitoring / Management / Protection		<ul style="list-style-type: none"><li>• Monitoring: battery cell voltage &amp; temperature, battery string voltage &amp; current, etc.</li><li>• Warning &amp; Protection: over/under temperature, over-charge/over-discharge current, and over/under voltage, etc.</li><li>• Calculation: SoC, SoH, remaining backup time, cumulative energy, dynamic maximum available power, etc.</li><li>• Built-in redundant discharge circuit to ensure backup power delivery</li></ul>			
Communication Bus		External: CAN 2.0, Modbus TCP/RTU, Dry contact			
ENVIRONMENT					
Ambient Operation Temperature		5 to 35°C			
Storage Humidity		5-85%			
Permissible Altitude		≤ 2000 m			
CERTIFICATION					
Ingression Protection		IP20 class function			
Safety Standard		UL 1973, IEC 62619, IEC/UL 60730-1 (Functional safety), UL 9540A, CE Mark, UN 38.3, EN 61000-6-2, EN 61000-6-4			
Quality Standard		ISO 9001			
PRODUCT DESCRIPTIONS					
Primary /Secondary Configuration		Primary rack	Secondary rack	Primary rack	Secondary rack
Master BMS Configuration		Yes	N/A	Yes	N/A
PHYSICAL					
Dimensions (W x H x D)	With Top-hat	620 x 2185 x 625 mm			
	Without Top-hat	620 x 1910 x 625 mm			
Total Weight	With Module	793 kg (approximate)		639 kg (approximate)	
	Without Module	331 kg (approximate)			

All specifications are subject to change without prior notice.



Delta Electronics, Inc.  
www.deltaww.com | ESPBD@deltaww.com

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