



LBM 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



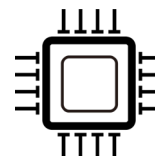
1/3 Footprint

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		LBM-12		LBM-08	
		BSPRN-GT3121P0GLC	BSPRN-GT3121S0GLC	BSPRN-GT3081P0GLC	BSPRN-GT3081S0GLC
ELECTRICAL					
Nominal Capacity (Rated Capacity)		43.5 kWh (40.3 kWh)		29.0 kWh (26.8 kWh)	
Nominal Voltage		±268.8V		±179.2V	
Standard Charge Cut-off Voltage		±289.8V		±193.2V	
Standard Discharge Cut-off Voltage		±243.6V		±162.4V	
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	
Cycle Life		More than 2500 cycles, 1C/1C, 25°C, EOL: 80% SOH			
SYSTEM BMS FUNCTIONS					
Monitoring / Management / Protection		<ul style="list-style-type: none">• Monitoring: battery cell voltage & temperature, battery string voltage & current, etc.• Warning & Protection: over/under temperature, over-charge/over-discharge current, and over/under voltage, etc.• Calculation: SoC, SoH, remaining backup time, cumulative energy, dynamic maximum available power, etc.• Built-in redundant discharge circuit to ensure backup power delivery			
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	798 kg (approximate)		644 kg (approximate)	
	Without Module	336 kg (approximate)			

All specifications are subject to change without prior notice.



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