

LESSO

LYB-3K8BL7-TC

Battery Module 3.84kWh



Long Lifespan, Cost Efficient

Boasts longer cycle life than lead-acid batteries, cutting replacement times and full-life costs



High Power Output, Superior Load Performance

Delivers twice the power output of equivalent lead-acid cells, maintains steady capacity during high-rate discharge



Modular Design, Flexible Expansion

Supports series-parallel combination, enabling flexible system capacity configuration per power demand



Lightweight Design, Easy Installation

Merely 40% weight of same-spec lead-acid batteries, easy to carry and install, direct replacement with no extra renovation



Multiple Protection, Safe & Reliable

Built-in intelligent BMS realizes full-range automatic protection, ensuring stable and secure equipment operation



Wide Temp Adaptation, Stable Operation

Stably operates at -20°C~60°C, ensures steady power supply in extreme climates

Model	LYB-3K8BL7-TC
Key Parameters	
Cell chemistry	LiFePO4
Rated energy	3.84kWh
Nominal capacity	150Ah
Nominal voltage	25.6V
Charge Cut-Off voltage	29.2V
Discharge Cut-Off voltage	22.4V
Recommended charge/Discharge current	75A/75A
Max. Continuous charge current	150A
Max. Continuous discharge current	150A
Cycle life	≥3000 Cycles (1C@25°C, 100%DOD)
Recommended depth of discharge (DOD)	80%
Environmental Parameters	
Charge operating temperature	0~45°C
Discharge operating temperature	-20~60°C
Storage temperature	-5~35°C
Humidity range	60±25%RH
Altitude	≤3000m
IP rating	IP65
Mechanical Parameters	
Net weight	29kg
Machine size (H×W×D)	522×244×223mm
Gross weight	31kg
Package size (L×W×H)	575×290×283mm
Other Parameters	
Communication	/
Parallel connections	4 Units
Series connections	2 Units
Installation method	Ground placement
Cooling method	Natural convection
Standards and certifications	UN38.3/MSDS

*1: Current is affected by temperature and SOC.

*2: During long-term idle storage, charge the battery once every 3 months.

*3: Please note, product specifications are subject to change without notice.