LEOCH BU256V100(256V100Ah) BU256V100



LEOCH Provides Safe and Efficient LFP Battery Solutions.

LEOCH BU series adopt high safety LFP cell, with intelligent BMS management system independently developed by LEOCH, safe and reliable, excellent performance, stability and reliability, suitable for three-phase UPS backup system.

Features

- · Safest lithium battery technology
- · Eco-friendly
- · 20 Years Designed service life
- · Can/RS485 Communication output for monitoring
- Achieve up 32 BMU in cascade communication
- \cdot Interal cell balancing, Passive equalization, the maximum equalization current up to 300 mA
- \cdot High-precision cell voltage and temperature acquisition: ±3 mV,±1 $^\circ\text{C}$
- Fan control circuit and interface, realize heat dissipation inside the module

PACK Style

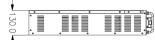


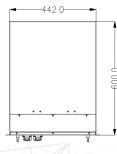
Peformance data

Time(min)	30	60	120	180	300
Constant Power(kw)	49	24.5	12.3	8.2	4.9
Constant Current(A)	200	100	50	33.3	20











System specifications	
Case Material	SPCC
Cell Type	Prismatic LiFePO ₄
Terminal Type	M8
IP Grade	IP21
Basic performance	
Nominal Voltage	256V
Nominal Capacity	100Ah
Energy	25.6KWh
Self Discharge	≤2%/Month
Cell Capacity	100Ah
Cycle Life	2500 times(1C/1C)
Size	1000*600*1500mm
Weight	340 Kg

Charge performance	
Rated Charge Current	50A
Maximum Charge Current	100A
Rated Charge Voltage	272-276V
Balancing Voltage	>272V

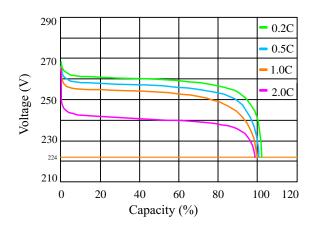
Discharge performance		
Max Output Power	49KW	
Standard Discharge Time	49KW@30min	
Rated Discharge Cut-off Voltage	224V	
Min Discharge Cut-off Voltage	212V	
Short Circiut Current	Approx.4500A	

Temperature and humidity		
Discharge Temperature	-20-65°C	
Charge Temperature	0-45°C	
Storage Temperature	-5-35°C	
Transportation Temperature	-20-65°C	
Operating Humidity	≤95%R.H	

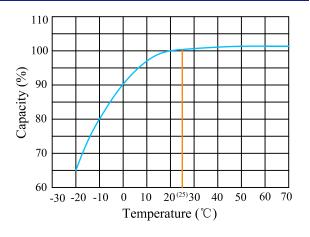
Other	
Communication	CAN/RS485/LAN
Dry Contact	Yes
System Parallels	≤15
Screen	Optional
Thermal Management	Air Cooling



Discharge Performance at 25°C



Temperature effects on capacity at 1C



Cautions

- 1. Do NOT short circuit, crush or disassemble.
- 2. Do NOT heat or incinerate.
- 3. Do NOT immerse in any liquid.

4. Store at 50% capacity. Recharge every 6 months. The storage area should be clean, cool, dry and ventilated.

5. Disconnect charging source prior to connecting or disconnecting battery terminals.

6. Do NOT dispose of batteries in a fire as they can explode.

7. Do NOT open, alter, or mutilate batteries. Released electrolyte is harmful to skin and eyes. It may be toxic. 8.Do NOT mix different types and brands of lithium-ion batteries.

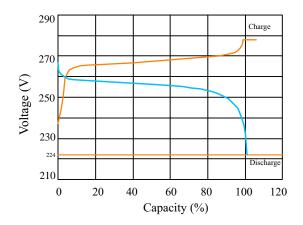
9. Do NOT dispose in trash, follow local regulations and manufacturer's instruction.

10.See installation instructions before connecting to the supply.

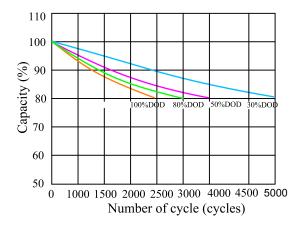
11. The battery cabinet receives power from more than one source. Disconnection of all DC sources is required to De-energize this unit before installing or servicing. Wait 5 minutes before opening the unit. 12. Do NOT install on or over combustible surfaces 13. Refer to manual before servicing

14.Do NOT touch bare terminals.

Charge and Discharge at 25°C,0.5C



Cycle life with DOD at 25°C, 1C/1C





Rack BU256V100(S) BU256V100--without SBMS, BU256V100(S)-with SBMS

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