LEOCH BU307V200(307.2V200Ah)

BU307V200



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
- · Interal cell balancing, Passive equalization, the maximum equalization current up to 300 mA
- · High-precision cell voltage and temperature acquisition: ±3 mV,±1°C
- · Fan control circuit and interface, realize heat dissipation inside the module

PACK Style



Peformance data					
Time(min)	60	120	180	240	600
Constant Power(kw)	60.78	30.38	20.25	15.19	6.14
Constant Current(A)	200	100	66.7	50	20

Size	
483.0	-800.0
442.0	

System specifications	
Case Material	SPCC
Cell Type	Prismatic LiFePO ₄
Terminal Type	M8
IP Grade	IP21

Basic performance	
Nominal Voltage	307.2V
Nominal Capacity	200Ah
Energy	61.44KWh
Self Discharge	≤2%/Month
Cell Capacity	200Ah
Cycle Life	2500 times(1C/1C)
Size	1000*600*1500mm
Weight	680 Kg

Charge performance	
Rated Charge Current	100A
Maximum Charge Current	200A
Rated Charge Voltage	326.4-331.2V
Balancing Voltage	>326.4V

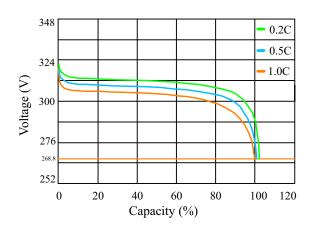
Discharge performance	
Max Output Power	60KW
Standard Discharge Time	60KW@60min
Rated Discharge Cut-off Voltage	268.8V
Minimum Discharge Cut-off Voltage	254.4V
Short Circiut Current	Approx.4000A

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

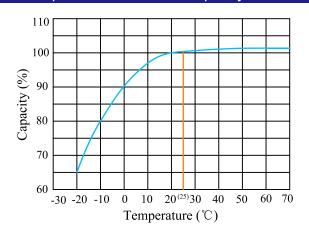
Other	
Communication	CAN/RS485/LAN
Dry Contact	Yes
System Parallels	≤15
Screen	Optional
Thermal Management	Air Cooling



Discharge Performance at 25°C



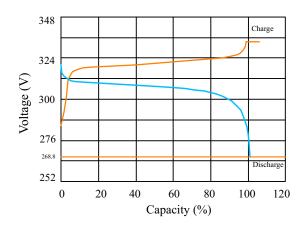
Temperature effects on capacity at 1C



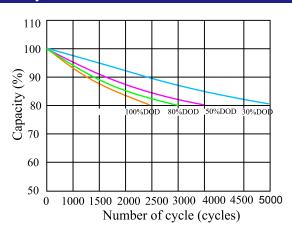
Cautions

- 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
- 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 BU307V200(S)
BU307V200--without SBMS, BU307V200(S)-with SBMS