LEOCH BU614V100(614.4V100Ah)

BU614V100



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

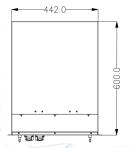
- · Safest lithium battery technology
- · Eco-friendly
- · 20 Years Designed service life
- · Can/RS485 Communication output for monitoring
- · Achieve up 32 BMU in cascade communication
- · Interal cell balancing, Passive equalization, the maximum equalization current up to 300 mA
- · High-precision 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)	30	60	120	180	300	
Constant Power(kw)	117.6	58.8	29.4	19.7	11.8	
Constant Current(A)	200	100	50	33.3	20	

Size			
482.0		130.0	•





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

Basic performance	
Nominal Voltage	614.4V
Nominal Capacity	100Ah
Energy	61.44KWh
Self Discharge	≤2%/Month
Cell Capacity	100Ah
Cycle Life	2500 times(1C/1C)
Size	1000*600*2000mm
Weight	730 Kg

Charge performance	
Rated Charge Current	50A
Maximum Charge Current	100A
Rated Charge Voltage	652.8-662.4V
Balancing Voltage	>652.8V

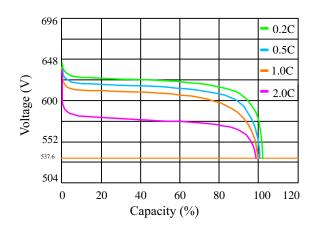
Discharge performance	
Max Output Power	117.6KW
Standard Discharge Time	117.6KW@30min
Rated Discharge Cut-off Voltage	537.6V
Min Discharge Cut-off Voltage	508.8V
Short Circiut Current	Approx.4500A

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	

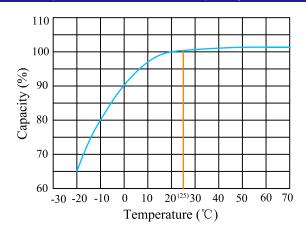
Other	
Communication	CAN/RS485/LAN
Dry Contact	Yes
System Parallels	≤15
Screen	Optional
Thermal Management	Air Cooling



Discharge Performance at 25°C



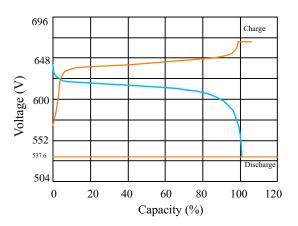
Temperature effects on capacity at 1C



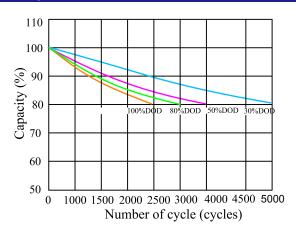
Cautions

- 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 BU614V100(S)
BU614V100-without SBMS, BU614V100(S)-with SBMS