

LEOCH BU358V200(358.4V200Ah)

BU358V200



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
- Internal cell balancing, Passive equalization, the maximum equalization current up to 300 mA
- High-precision cell voltage and temperature acquisition: $\pm 3\text{ mV}$, $\pm 1^\circ\text{C}$
- Fan control circuit and interface, realize heat dissipation inside the module

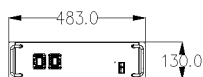
PACK Style



Performance data

Time(min)	60	120	180	300	600
Constant Power(kW)	70.9	35.7	23.8	14.3	7.1

Size



System specifications

Case Material	SPCC
Cell Type	Prismatic LiFePO ₄
Terminal Type	M8
Ingress Protection	IP21

Basic performance

Nominal Voltage	358.4V
Rated Capacity	200Ah
Energy	71.68kWh
Self-discharge Rate	$\leq 2\%$ /Month @ 25°C
Cell Capacity	200Ah
Cycle Life	2500 times(1C/1C)
Size(W*D*H)	600*1000*1500mm
Weight	Approx.760Kg

Charge performance

Rated Charge Current	100A
Maximum Charge Current	200A
Rated Charge Voltage	380.8-386.46V
Balancing Voltage	$> 380.8\text{V}$

Discharge performance

Max Output Power	70.9kW
Standard Discharge Time	70.9kW@60min
Rated Discharge Cut-off Voltage	313.64V
Minimum Discharge Cut-off Voltage	296.8V
Short Circuit Current	Approx.4000A

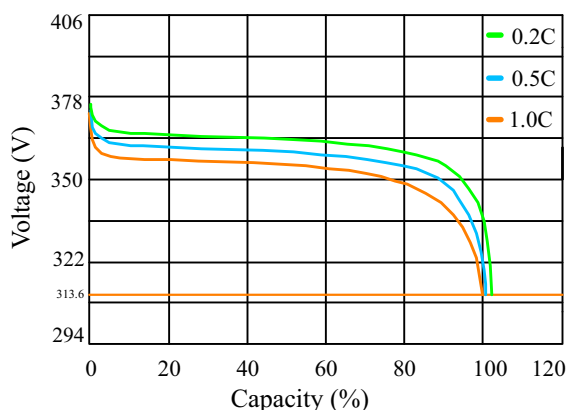
Temperature and humidity

Discharge Temperature	$-20\sim 65^\circ\text{C}$
Charge Temperature	$0\sim 45^\circ\text{C}$
Storage Temperature	$-5\sim 35^\circ\text{C}$
Transportation Temperature	$-20\sim 65^\circ\text{C}$
Operation Humidity	5%~95%.R.H

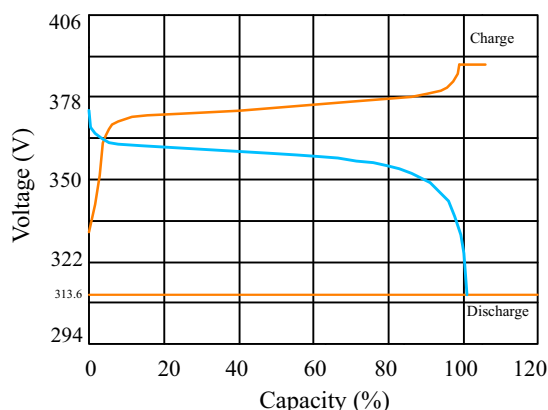
Other

Communication Interface	CAN/RS485/ TCP/Dry Contact
Dry Contact	Yes
System Parallels	≤ 15
Screen	Optional
Thermal Management	Natural cooling

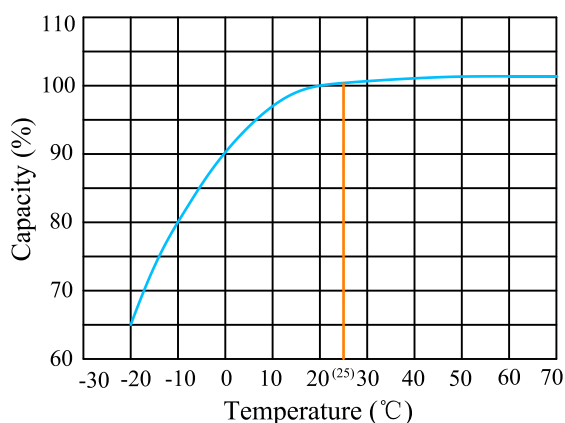
Discharge Performance at 25°C



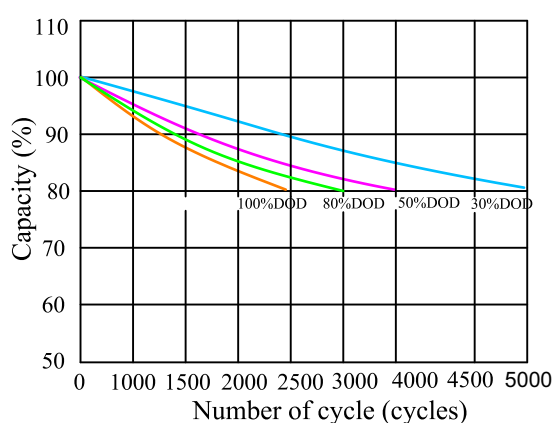
Charge and Discharge at 25°C, 0.5C



Temperature effects on capacity at 1C



Cycle life with DOD at 25°C, 1C/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.



Rack BU358V200(S)
BU358V200—without HMI, BU358V200(S)—with HMI