

## **Features:**

- Cells Type: CATL brand new grade (A) with QR code.
- Smart function CAN RS 485 RS 232.
- **Higher energy** density , smaller volume for household
- Support connected in parallel mode or expansion .
- **Photovoltaic system :** this battery pack is designed for household photovoltaic system .
- Battery management system (BMS): the battery packs built in smart and active BMS monitors its operation and prevents the battery from operating outside design limitations.
- **Expandability:** this battery pack can be easily expanded by adding expansion battery packs in parallel connection



Model  Nominal Voltage  Rated Capacity  Operating Voltage Range  Boost Charge/Float Charge Voltage  Charging Current (Current Limiting)  Charging Current (Maximum)  Recommend Charge Current (Maximum)  Recommend Discharge Current Discharge Cut-off Voltage  Self-Discharge  S1.8V  240Ah/12400Wh  42-58.8V  57.5/58.8V  10-150A  10-150A  150A(10s)-100A  80A  150A(10s)-100A  80A  240A  250A  260A  260A  270A  280A  380A  38	1- Performance Parameters				
Rated Capacity  Operating Voltage Range  Boost Charge/Float Charge Voltage  Charging Current (Current Limiting)  Charging Current (Maximum)  Recommend Charge Current (Maximum)  Recommend Discharge Current Discharge Current Discharge Current  Discharge Current  Discharge Current  Discharge Current  Discharge Current  Current  Discharge Current  Discharge Current  Oischarge Current  Discharge Current  Oischarge Current  Discharge Current  Oischarge	Model		LBL 51.8 240		
Operating Voltage Range 42-58.8V  Boost Charge/Float Charge 57.5/58.8V  Voltage Charging Current (Current Limiting) Charging Current (Maximum) 150A(10s)-100A  Recommend Charge Current 80A  Discharge Current 150A(10s)-100A  (Maximum) 80A  Current 150A(10s)-100A  (Maximum) 80A  Current 250A(10s)-100A  (Maximum) 80A  Current 250A(10s)-100A  (Maximum) 80A  Current 250A(10s)-100A  (Maximum) 80A  Current 80A	Nominal Voltage		51.8V		
Boost Charge/Float Charge Voltage Charging Current (Current Limiting) Charging Current (Maximum) Recommend Charge Current (Maximum) Recommend Discharge Current Discharge Current Discharge Cut-off Voltage Self-Discharge <a href="mailto:57.5/58.8V">57.5/58.8V</a> 10-150A  10-150A  150A(10s)-100A  80A  150A(10s)-100A  (Maximum)  Recommend Discharge 80A  Current  280A  380A  380A  42V  581F-Discharge 380 per month	Rated Capacity		240Ah/12400Wh		
Voltage Charging Current (Current Limiting) Charging Current (Maximum) Recommend Charge Current Discharge Current (Maximum) Recommend Discharge Current Discharge Current SoA  Current Discharge Current SoA  Current	Operating Voltage Range		42-58.8V		
Charging Current (Current Limiting)  Charging Current (Maximum)  Recommend Charge Current  Discharge Current (Maximum)  Recommend Discharge Current  Discharge Current  Discharge Current  SOA  150A(10s)-100A  (Maximum)  Recommend Discharge Current  Discharge Cut-off Voltage  Self-Discharge  <3% per month	Boost Charge/Float Charge		57.5/58.8V		
Limiting)  Charging Current (Maximum)  Recommend Charge Current  Discharge Current  (Maximum)  Recommend Discharge  Current  Discharge Cut-off Voltage  Self-Discharge  <3% per month	Voltage				
Charging Current (Maximum)  Recommend Charge Current  Discharge Current (Maximum)  Recommend Discharge Current  Discharge Cut-off Voltage  Self-Discharge <3% per month	Charging Current (Current		10-150A		
Recommend Charge Current  Discharge Current (Maximum)  Recommend Discharge Current  Discharge Cut-off Voltage Self-Discharge <3% per month	Limiting)				
Discharge Current (Maximum)  Recommend Discharge Current  Discharge Cut-off Voltage 42V  Self-Discharge <3% per month	Charging Current (Maximum)		150A(10s)-100A		
(Maximum)  Recommend Discharge Current  Discharge Cut-off Voltage Self-Discharge <3% per month	Recommend Charge Current		80A		
Recommend Discharge Current Discharge Cut-off Voltage 42V Self-Discharge <3% per month	Discharge Current		150A(10s)-100A		
Current Discharge Cut-off Voltage 42V Self-Discharge <3% per month	(Maximum)				
Discharge Cut-off Voltage 42V Self-Discharge <3% per month	Recommend Discharge		80A		
Self-Discharge <3% per month	Current				
	Discharge Cut-off Voltage		42V		
Life Cycle >6000 times (<0.6C)	Self-Discharge		<3% per month		
	Life Cycle		>6000 times (<0.6C)		
DimensionsLength755±mm	Dimensions	Length	755±mm		
Width 545±mm		Width	545±mm		
Height 210±mm		Height	210±mm		
Weight About 73.250±1kg	Weight		About 73.250±1kg		

2- Working Condition				
Cooling Mode	Natural-Cooling			
Altitude	≤4000m			
Humidity	%5-%95			
Operating Temperature	Charge	0°C~50+°C		
	Discharge	-20°C~60+°C		
Recommended Operating	Charge	10+°C~45+°C		
Temperature	Discharge	10+°C~45+°C		
Storage Temperature	≤1month	-10°C~50+°C		
	≤3month	0°C~40+°C		
	≤6month	5±25°C		