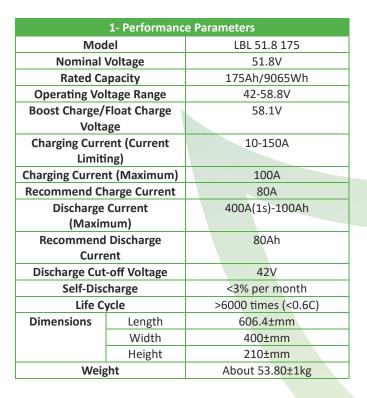# Features:

- **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

1- Performance Parameters		
Model	LBL 51.8 175	
Nominal Voltage	51.8V	
Rated Capacity	175Ah/9065Wh	
Operating Voltage Range	42-58.8V	
Boost Charge/Float Charge Voltage	58.1V	
Charging Current (Current Limiting)	10-150A	
Charging Current (Maximum)	100A	
Recommend Charge Current	80A	
Discharge Current (Maximum)	400A(1s)-100Ah	
Recommend Discharge Current	80Ah	
Discharge Cut-off Voltage	42V	
Self-Discharge	<3% per month	
Life Cycle	>6000 times (<0.6C)	
Dimensions	Length	606.4±mm
	Width	400±mm
	Height	210±mm
Weight	About 53.80±1kg	

2- Working Condition		
Cooling Mode	Natural-Cooling	
Altitude	≤4000m	
Humidity	5%-95%	
Operating Temperature	Charge	0℃~+50℃
	Discharge	-20℃~+60℃
Recommended Operating Temperature	Charge	+10℃~+45℃
	Discharge	+10℃~+45℃
Storage Temperature	≤1month	-10℃~+50℃
	≤3month	0℃~+40℃
	≤6month	255±℃