

AKKU DATEN Lifepo4 – Lishen 202AH Block 12V

No.	Item		Parameter	Remark
1	Type		LiFePO4 Storage Battery	— —
2	Model		LP54173210-202Ah	— —
3	Outward Appearance		No deformation, no crack, dry surface, No trauma, no dirt, clear signs.	Visual inspection
4	Size		54mm*173mm*205mm	Height not including terminal
5	Weight		3.9 ±0.1kg	— —
6	Typical Capacity		202.0Ah	— —
7	Typical Voltage		3.2V	— —
8	Typical Energy		646.4Wh	— —
9	Working Voltage		2.0V~3.65V	Charging cut-off voltage below 0℃ is 3.55V
10	AC Impedance Resistance		≤0.4mΩ	New battery status, 35%SOC, 25±2℃
11	DC Impedance Resistance		≤1.0mΩ	50%SOC, 2C, 10s, 25±2℃
12	Charging Temperature		-20℃~55℃	See the appendix for details
13	Discharging Temperature		-30℃~60℃	See the appendix for details
14	Recommend Working Temperature		15℃~35℃	— —
15	Storage Temperature	One month	-40℃~45℃	— —
16		One year	-20℃~35℃	— —
*Store battery at battery voltage 3.275V~3.304V, 20%-40%SOC state				

Storage Condition			Retention Rate	Capacity Recovery Rate
Temperature	SOC	Time		
55℃	100%	7 days	≥92%	≥95%
25℃	100%	28 days	≥92%	≥95%
45℃	50%	28 days	— —	≥90%

Temperature	-29℃	-10℃	0℃	25℃	60℃
Discharge Current	1 I ₁	1 I ₁	1 I ₁	1 I ₁	1 I ₁
Discharge Capacity	≥151.5 Ah	≥161.6 Ah	≥181.8Ah	≥202 Ah	≥191.9Ah

Item	Parameter	Condition
Standard Cycle Life	≥3000 times	25℃, standard charge and discharge, discharge capacity decays to 161.6Ah
High Temperature Cycle Life	≥2000 times	45℃, standard charge and discharge, discharge capacity decays to 161.6Ah

Item	Parameter	Testing Method
Overdischarging	No fire, no explosion, no leakage	GB/T 31485-2015 6.2.2
Overcharging	No fire, no explosion	GB/T 31485-2015 6.2.3
Circuit-short	No fire, no explosion	GB/T 31485-2015 6.2.4
Falling	No fire, no explosion, no leakage	GB/T 31485-2015 6.2.5
Heating	No fire, no explosion	GB/T 31485-2015 6.2.6
Extrusion	No fire, no explosion	GB/T 31485-2015 6.2.7
Seawater Immersion	No fire, no explosion	GB/T 31485-2015 6.2.9
Temperature Cycling	No fire, no explosion, no leakage	GB/T 31485-2015 6.2.10
Low Air Pressure	No fire, no explosion, no leakage	GB/T 31485-2015 6.2.11