

LITHIUM BATTERY



Features:

- LiFePO₄ battery, more stable and safe .
- Excellent standby self-consumption as low as 4mA
- Intelligent BMS equipped inside to maintain the battery always work at best condition .
- Max charge and discharge current as 150A which is specially designed for solar energy .
- Build-in 1.2A equalizer can balance solar cell voltage difference as small as 0.05V in a very short time
- Automatically output cut off after 30 days no charge and discharge to ensure security also can cut off output by manual operation .



TECHNICAL SPECIFICATIONS

Li-Eco 51.2V200Ah

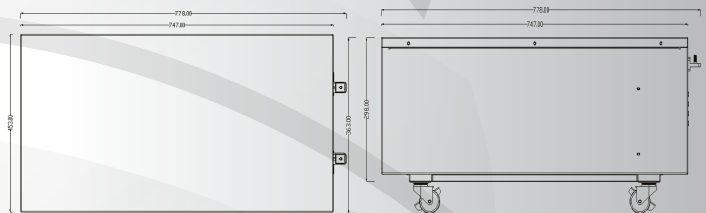
Lithium Iron Phosphate Battery

Battery Specification

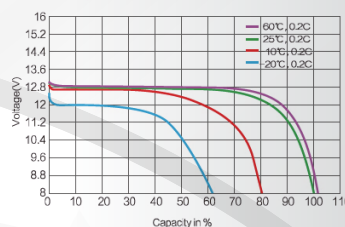
Nominal Characteristics	
Nominal Voltage /V	51.2
Nominal Capacity /Ah (25° C , 0.2C)	200
Mechanical characteristics	
Weight (approximate)/Kg	76.0
Dimension L*W*H /mm	613*374*260
Terminal	M8
Electrical characteristics	
Voltage window/V	44.8 to 58.4
Float charge voltage/V	55.2
Max. continue discharge current/A	100
Max. pulse discharge current/A	150A 30Sec.
Max. continue charge current/A	100
Operating conditions	
Cycle life (+25°C 0.2C 100%DOD)	> 2500 Cycles
Operating temperature	Discharge -10°C to 50°C Charge 0°C to 50°C
Storage temperature	0 to 30°C
Storage duration	6 months at 25°C
Safety standard	UN38.3, IEC62619, CE
IP Degree	IP20

Overview

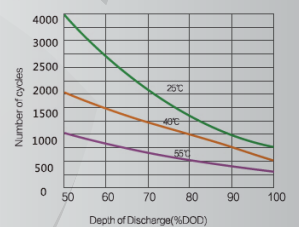
The Li-Eco 51.2V200Ah rechargeable battery is optimized for low rate application which requires high energy density.



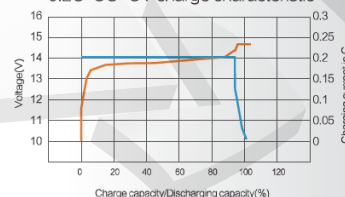
Dis charge curves under differents temperatures



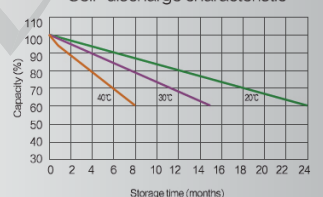
Cycle life vevrus DOD and temperature at 0.2C



0.2C CC-CV charge characteristic



Self-discharge characteristic



LITHIUM BATTERY



Features:

- 48V LiFePO4 pack, Safe and reliable
- Built-in intelligent BMS system optimize the performance
- Built-in automatic protection can prevent overcharge, overdischarge, overvoltage, short circuit and over temperature
- Support serial connection, Bluetooth and battery heating functions (optional)
- Cycle life ≥ 6000 times, 3 years warranty
- LCD display can show battery data
- Excellent standby power consumption is 4mA and can automatically enter sleep
- Customized services, support customers to customize capacity, voltage etc.
- Truck, RV, Golf cart, Sightseeing car, Electric motorcycle, UPS energy storage, household energy storage, fire emergency equipment etc.



TECHNICAL SPECIFICATIONS

LifePo4 48V 200Ah

Model	EUR 48V 200AH
Rated capacity	200AH(10240WH)
Rated voltage	51.2V
Charging limit voltage	58.4V
Max charging current	100A
Max continuous discharging current	120A
Weight (KG)	82
Display	LCD display
Dimension (L * W * H) mm	530*400*320
Cycle life 80% DOD	≥ 6000 times
Parallel	Supports unlimited quantity of parallel connections
Shell material	Black painted steel
Warranty	3 years
Charging temperature	0 to +55°C
Operating temperature	-20 to + 65°C
Certificate	CE FCC UKCA UN38.3 MSDS
Protection functions	Overcharge protection, over discharge protection, over-current protection, short circuit protection, over temperature protection and low voltage alarm.

Wall Mounted Solar Battery

Features:

- Wall mounted design, Firm structure and easy installation
- 48V LiFePO4 pack ,safe, reliable and longer life
- Built-in intelligent BMS system to balance all cells ,better match solar inverter
- Built-in automatic protection can prevent overcharge, overdischarge, overvoltage, short circuit, low voltage alarm and over temperature
- With RS485/RS232/CAN communication functions (WiFi/ Bluetooth optional).
- Cycle life \geq 6000 times, 5 years warranty,
- LCD display showing the working data
- UL94V-0 flame retardant system, good high temperature performance
- Home energy storage, photovoltaic energy storage projects, Wind energy storage, UPS, Energy storage of base station, Fire emergency equipment, RV, etc.



TECHNICAL SPECIFICATIONS

LifePo4 48V 200Ah

Model	EU-LT48V200AH-P
Rated capacity	200AH (10240WH)
Rated voltage	51.2V
Charging voltage	58.4V
Max charging current	100A
Max continuous discharging current	120A
Weight	93.5kg
Display	LCD Display
Dimension (W * D * H) mm:	850*460*235
Warranty	5 years
Cycle life 80% DOD	\geq 6000 times
Communication function	CAN/RS485/RS232
Max parallel	64 sets
Shell material	White painted steel shell
Charging temperature	0 to +55°C
Operating temperature	-20 to + 65°C
Certificate	CE FCC UKCA UN38.3 MSDS
Protection functions	Overcharge protection, over discharge protection, over-current protection, short circuit protection, over temperature protection and low voltage alarm.

LITHIUM BATTERY



Features

- Safe and reliable
- Cycle life ≥ 6000 times
- LCD display can show battery data
- Built-in intelligent BMS system optimize the performance
- Built-in automatic protection can prevent overcharge, overdischarge, overvoltage, short circuit and over temperature
- Support serial connection, Bluetooth and battery heating functions (optional)
- Excellent standby power consumption is 4mA and can automatically enter sleep
- Customized services, support customers to customize capacity, voltage etc.



TECHNICAL SPECIFICATIONS

Model		LifePo4 51.2V 200Ah	LifePo4 51.2V 300Ah
No.	Item for Battery System	General Parameter	General Parameter
1	Model No#	EU-C/LI-200/51.2V	EU-B/LI-300/51.2V
2	Nominal Voltage	51.20V	51.20V
3	Standard Capacity For Battery System	200AH	300AH
4	Energy	10.24KWH	15.36KWH
5	Cycle Life	≥ 6000 cycles @80% DOD	≥ 8000 cycles @80% DOD
6	Period Warranty	5 years	5 years
7	Cell Brand		BATERRO TECH
8	Short Circuit Protection	Yes	Yes
9	Size (L*W*H)	915mm*542mm*162mm	600mm*207mm*685mm
10	Limited Charge Voltage	58.40V $\pm 0.1V$	58.40V $\pm 0.1V$
11	Floating Charge Voltage	55.20V $\pm 0.1V$	55.20V $\pm 0.1V$
12	Standard Charge Current	Constant current 0.1C, Constant Voltage 58.4V, 0.01C cut-off	Constant current 0.1C, Constant Voltage 58.4V, 0.01C cut-off
13	Max. Charge Current	50.0A	140A
14	Cut-off Voltage	44.80V	44.80V
15	Max. Continuous Discharge Current	150.0A	280A
16	Operating Temperature	Charge	0~45°C, 45~85%RH
		Discharge	-10~55°C, 45~85%RH
17	Weight	Approx. 88 Kg	Approx. 130Kg
18	Full voltage difference battery pack	$\leq 20mV$ Standard charging	$\leq 20mV$ Standard charging
19	IP Grade	IP55	IP55

LiFePO4 Household Energy Storage Battery

3U Rack 25.6V 100Ah
4U Rack 25.6V 150Ah
4U Rack 25.6V 200Ah



1. Scope

This specification is the basis of product design, production and inspection, the role of understanding the of the product and the correct method of use.

TECHNICAL SPECIFICATIONS

2. Normal Parameters

No.	Item for Battery System	General Parameter	General Parameter	General Parameter
1	Model No#	EU-E/LI-100/25.6V	EU-S/LI-200/25.6V	EU-S/LI-200/25.6V
2	Nominal Voltage	25.60V	25.60V	25.60V
3	Standard Capacity For Battery System	100AH	200AH	200AH
4	Energy	2.56KWH	5.12KWH	5.12KWH
5	Cycle Life	≥ 3000 cycles @100% DOD	≥ 3000 cycles @100% DOD	≥ 3000 cycles @100% DOD
6	Period Warranty	5 years	5 years	5 years
7	Short Circuit Protection	Yes	Yes	Yes
8	Size (L*W*H)	482*420*133mm	482*510*178mm	482*510*178mm
9	Limited Charge Voltage	28.80V ±0.1V	28.80V ±0.1V	28.80V ±0.1V
10	Floating Charge Voltage	25.60V ±0.1V	25.60V ±0.1V	25.60V ±0.1V
11	Cell Brand	EVE	Constant current 0.2C	Constant current 0.2C
12	Standard Charge Current	Constant current 0.2C	Constant Voltage 28.8V	Constant Voltage 28.8V
13	Cell Brand	Constant Voltage 28.8V	0.01C cut-off	0.01C cut-off
		EVE	CATL	CATL
		0.01C cut-off	50.0A	50.0A
14	Max. Charge Current	50.0A	28.80V	28.80V
15	Cut-off Voltage	28.80V	100.0A	100.0A
16	Max. Continuous Discharge Current	100.0A	0~50℃, 45~85%RH	0~50℃, 45~85%RH
17	Operating Temperature	Charge	0~50℃, 45~85%RH	20~60℃, 45~85%RH
		Discharge	-20~60℃, 45~85%RH	Approx. 45 Kg
18	Weight	Approx. 39 Kg	≤ 20mV	≤ 20mV
19	Full voltage difference battery pack	≤ 20mV	IP21	IP21
20	IP grade	IP21		

LITHIUM BATTERY



Features:

- Long Lifespan
- Ease of recycling
- Resistance To Oxygen Loss
- Very low internal resistance
- Very safe and secure technology
- Very low toxicity for environment
- Structural Stability After Lithium Removal
- Operational temperature range up to 70°C
- Constant power throughout the discharge range



TECHNICAL SPECIFICATIONS

No.	Item for Battery System	General Parameter	General Parameter	General Parameter	Remark
1	Model No#	EU-LI-100/12.8V	EU-LI-150/12.8V	EU-LI-200/12.8V	
2	Nominal Voltage	12.8 V	12.8 V	12.8 V	
3	Standard capacity for battery system	100.0 Ah	150.0 Ah	200.0 Ah	
4	Energy	1,280.0 Wh	1,920.0 Wh	2,560.0 Wh	
5	Cycle Life	≥5,000 cycles @100% DOD	≥5,000 cycles @100% DOD	≥5,000 cycles @100% DOD	RSOC 80%
6	Designed lifespan	≥6,000 cycles	≥6,000 cycles	≥6,000 cycles	RSOC 10%
7	Period of Warranty	3 years	3 years	3 years	
8	Short Circuit Protection	Yes	Yes	Yes	
9	Size	Length	330 mm	485 mm	522 mm
		Width	171 mm	172 mm	238 mm
		Height	220 mm	240 mm	221 mm
10	Limited Charge Voltage	14.6 +0.1V	14.6 +0.1V	14.6 +0.1V	
11	Floating Charge Voltage	13.8 +0.1V	13.8 +0.1V	13.8 +0.1V	
12	Standard Charging Method	Constant current 0.1C, Constant voltage 14.6V, 0.01C cut-off	Constant current 0.1C, Constant voltage 14.6V, 0.01C cut-off	Constant current 0.1C, Constant voltage 14.6V, 0.01C cut-off	CC/CV
13	Max. Charge Current	50.0A	50.0A	50.0A	
14	Cut-off Voltage	10.4 V	10.4 V	10.4 V	
15	Max Continuous Discharge Current	100.0A	100.0A	100.0A	
16	Operating Temperature	Charge	0~55°C, 45~85%RH	0~55°C, 45~85%RH	0~55°C, 45~85%RH
		Discharge	-20~55°C, 45~85%RH	-20~55°C, 45~85%RH	-20~55°C, 45~85%RH
17	Weight	Approx. 9.65 Kg	Approx. 13.7 Kg	Approx. 18.5 Kg	
18	Full voltage difference of battery pack (10 minutes of static test with full charge)	<20mV	<20mV	<20mV	Standard charging
19	IP grade	IP 55	IP 55	IP 55	