

## 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

EU-LI-100/12.8V 100AH  
**12.8V100Ah**

### 1. Overview

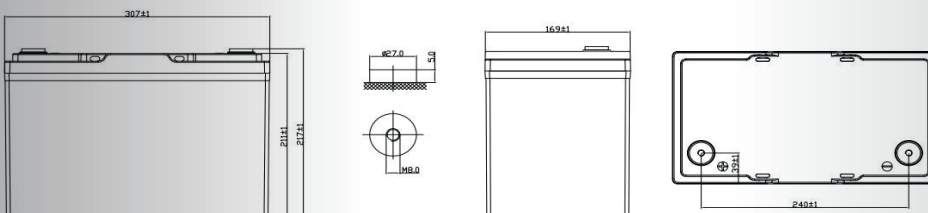
EU-LI-100/12.8V 100AH is 12.8V100Ah Lithium iron phosphate battery module which designed for UPS, solar system, portable devices, energy storage and medical cart applications. This battery module integrated with intelligent BMS inside, has big advantages on safety, cycle life, energy density, temperature range and environmental protection. This product specification describes the type, size, structure, electrochemistry performance, service life, and BMS characteristics. This specification only applies to the battery module supplied by Euronet.

### 2. Advantages

The battery module consists of single LFP cells, wire, BMS and container.

- Packed with high performance LFP single cell, long life, safety and wide temperature range;
- High energy density, small size, light weight, no pollution;
- High efficiency, fast charging;
- Built-in BMS, protect voltage, current, temperature in whole process;
- More than 10 years design life, Stable performance, maintenance-free.

### 3. Module Drawing

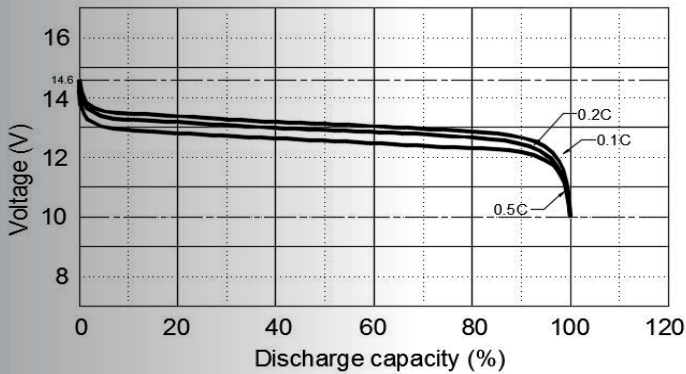


## 4. Parameters

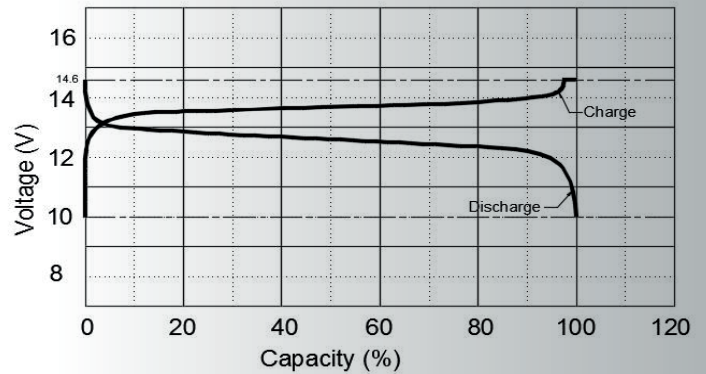
Model/Parameters	EU-LI-100/12.8V 100AH
Rated Voltage	12.8V
Rated Capacity (0.2C, @25°C)	100Ah
Rated Energy	1280Wh
Cell & Pack	LiFePO4, Prismatic, Aluminum shell
Output voltage range	10.0V~14.4V
Charging voltage	14.0V~14.4V, CC-CV
Cut-off voltage	10.0V
Max. Constant Charging current	100A
Recommended charging current	<100A, best @ 50A
Recommended charging type	CC-CV until current <0.02C
Max. Constant Discharging current by B+ and C-/P	100A
Max.Constant Discharging current by B+ and B-	100A
Capacity Efficiency	≥99.5%
Built-in BMS	
Over-charge protection	Cell>3.85V
Over-discharge protection	Cell<2.3V
Over-current protection	Discharging: >420A, delay 50-200mS; Short circuit protection: Integrated
Cell balance	Passive,200mA
Over temperature protection	Charging: >-15~75°C Discharging: >75°C
Dimension L*W*H (mm)	307*169*217±1mm M8
Weight (kg)	10.1±0.5kg
Environment	
Humidity	5%~95% relative humidity
Charging temperature	0°C~50°C
Discharging temperature	-20°C~55°C
Storage temperature	-20°C~50°C
Service Life	
Cycle life	80%DOD>4500 times, @0.2C, 25°C
Design life	>10 years

## 5. Performance curve

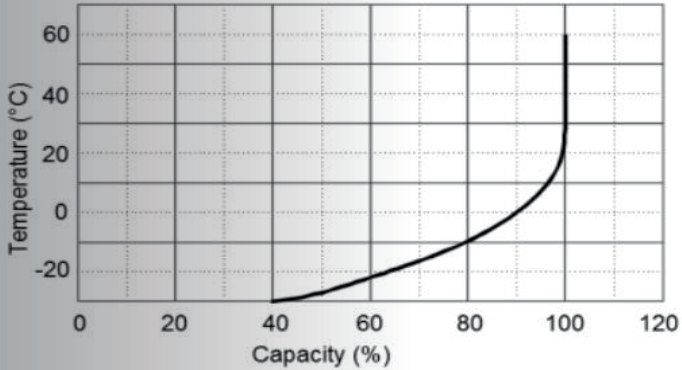
Discharge performance with different rate @ 25°C



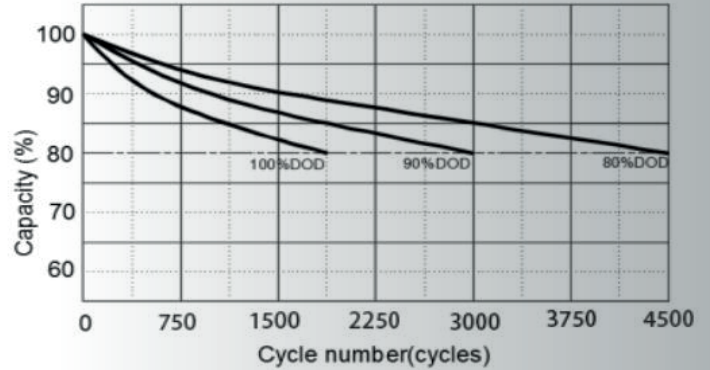
Charge & Discharge curve with 0.5C @ 25°C



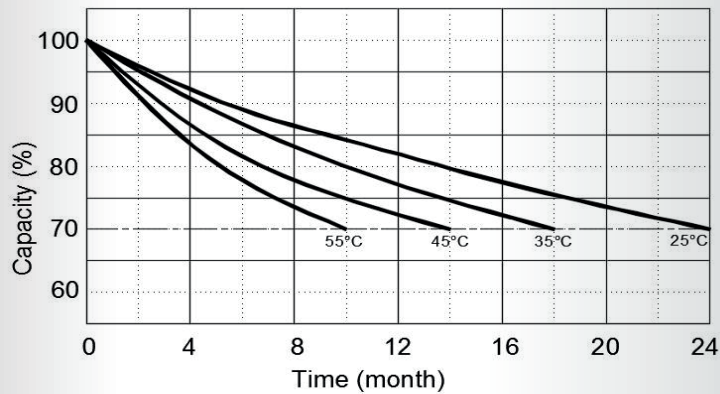
Discharge capacity with different temperature @ 0.5C



Cycle life with DOD @ 0.2C, 25°C



Self-discharge @ different temperature



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EU-LI-150/12.8V 150AH  
**12.8V150Ah**

## TECHNICAL SPECIFICATIONS

### 1. Overview

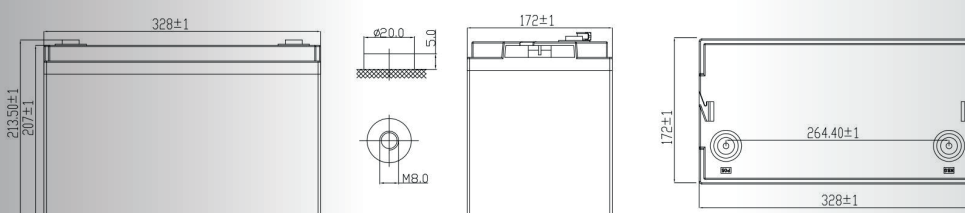
EU-LI-100/12.8V 100AH is 12.8V150Ah Lithium iron phosphate battery module which designed for UPS, solar system, portable devices, energy storage and medical cart applications. This battery module integrated with intelligent BMS inside, has big advantages on safety, cycle life, energy density, temperature range and environmental protection. This product specification describes the type, size, structure, electrochemistry performance, service life, and BMS characteristics. This specification only applies to the battery module supplied by Euronet.

### 2. Advantages

The battery module consists of single LFP cells, wire, BMS and container.

- Packed with high performance LFP single cell, long life, safety and wide temperature range;
- High energy density, small size, light weight, no pollution;
- High efficiency, fast charging;
- Built-in BMS, protect voltage, current, temperature in whole process;
- More than 10 years design life, Stable performance, maintenance-free.

### 3. Module Drawing



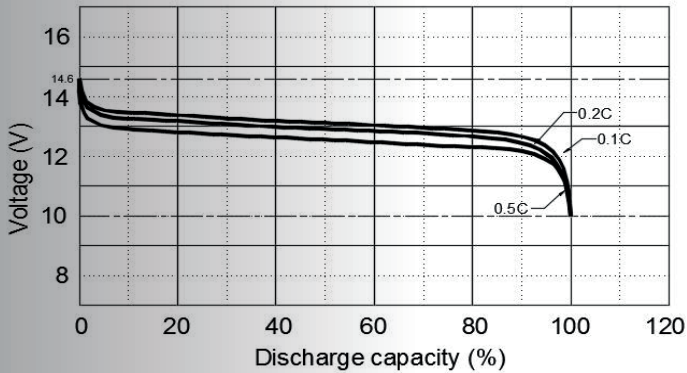
## 4. Parameters

Model/Parameters	EU-LI-150/12.8V 150AH
Rated Voltage	12.8V
Rated Capacity (0.2C, @25°C)	150Ah
Rated Energy	1920Wh
Cell & Pack	LiFePO <sub>4</sub> , Prismatic, Aluminum shell
Output voltage range	10.0V~14.4V
Charging voltage	14.0V~14.4V, CC-CV
Cut-off voltage	10.0V
Max. Constant Charging current	150A
Recommended charging current	<150A, best @ 75A
Recommended charging type	CC-CV until current <0.02C
Max. Constant Discharging current by B+ and C-/P-	150A
Max.Constant Discharging current by B+ and B-	150A
Capacity Efficiency	≥99.5%
<b>Built-in BMS</b>	
Over-charge protection	Cell>3.85V
Over-discharge protection	Cell<2.3V
Over-current protection	Discharging: >500A, delay 50-200mS; Short circuit protection: Integrated
Cell balance	Passive, 200mA
Over temperature protection	Charging: >75°C Discharging: >75°C
Dimension L*W*H (mm)	328*172**213±1mm
Weight (kg)	20.7±0.5kg
<b>Environment</b>	
Humidity	5%~95% relative humidity
Charging temperature	0°C~50°C
Discharging temperature	-20°C~55°C
Storage temperature	-20°C~50°C
<b>Service Life</b>	
Cycle life	80%DOD>4500 times, @0.2C, 25°C
Design life	>10 years

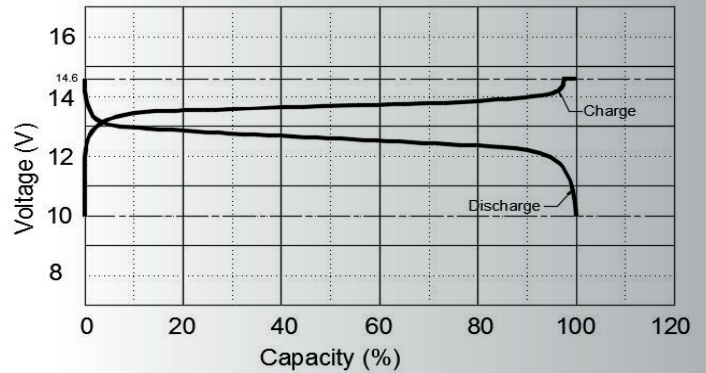


## 5. Performance curve

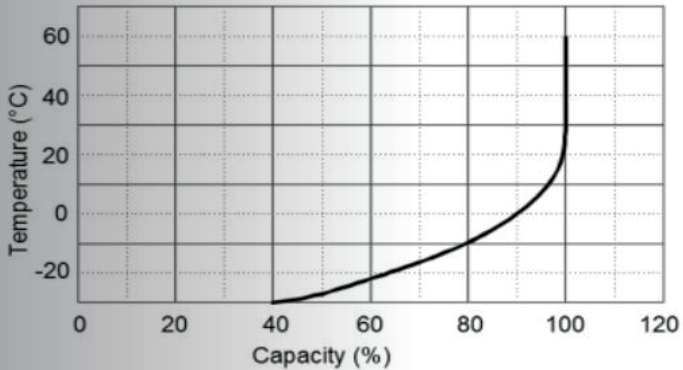
Discharge performance with different rate @ 25°C



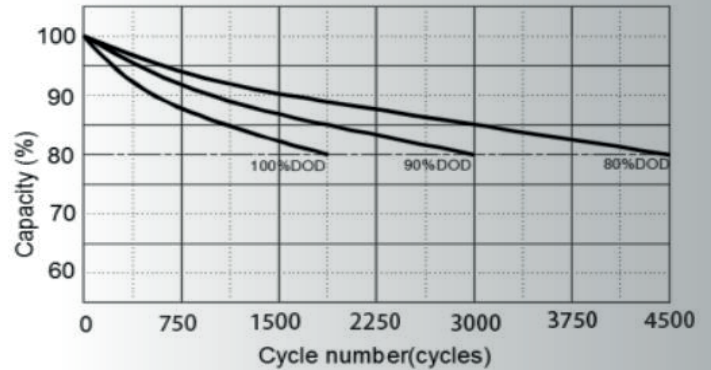
Charge & Discharge curve with 0.5C @ 25°C



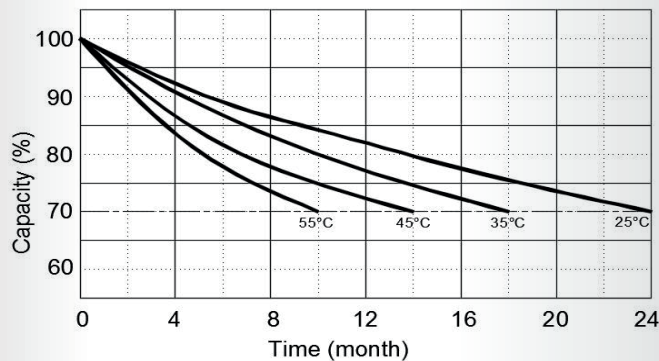
Discharge capacity with different temperature @ 0.5C



Cycle life with DOD @ 0.2C, 25°C



Self-discharge @ different temperature



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EU-LI-200/12.8V 200AH  
**12.8V200Ah**

## TECHNICAL SPECIFICATIONS

### 1. Overview

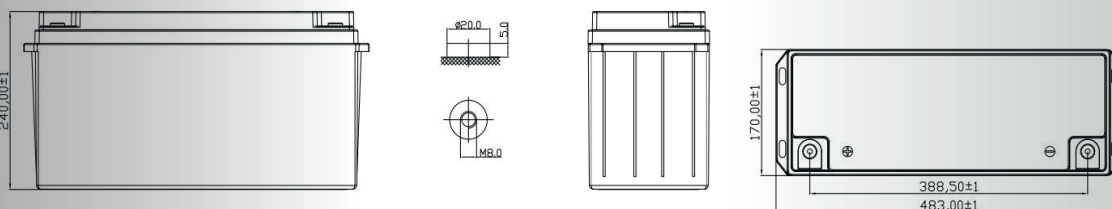
EU-LI-100/12.8V 100AH is 12.8V200Ah Lithium iron phosphate battery module which designed for UPS, solar system, portable devices, energy storage and medical cart applications. This battery module integrated with intelligent BMS inside, has big advantages on safety, cycle life, energy density, temperature range and environmental protection. This product specification describes the type, size, structure, electrochemistry performance, service life, and BMS characteristics. This specification only applies to the battery module supplied by Euronet.

### 2. Advantages

The battery module consists of single LFP cells, wire, BMS and container.

- Packed with high performance LFP single cell, long life, safety and wide temperature range;
- High energy density, small size, light weight, no pollution;
- High efficiency, fast charging;
- Built-in BMS, protect voltage, current, temperature in whole process;
- More than 10 years design life, Stable performance, maintenance-free.

### 3. Module Drawing





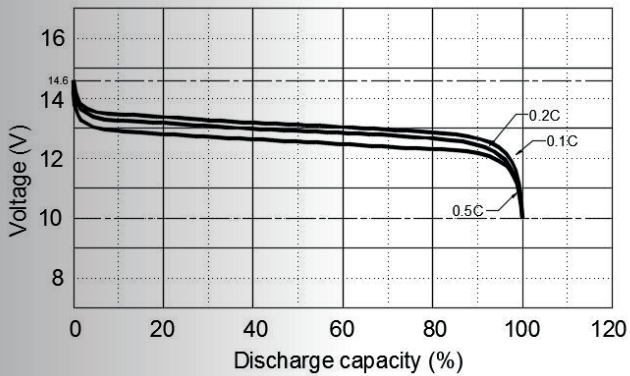
## 4. Parameters

Model/Parameters	EU-LI-200/12.8V 200AH
Rated Voltage	12.8V
Rated Capacity (0.2C, @25°C)	200Ah
Rated Energy	2560Wh
Cell & Pack	LiFePO4, Prismatic, Aluminum shell
Output voltage range	10.0V~14.4V
Charging voltage	14.0V~14.4V, CC-CV
Cut-off voltage	10.0V
Max. Constant Charging current	200A
Recommended charging current	<200A, best @ 100A
Recommended charging type	CC-CV until current <0.02C
Max. Constant Discharging current by B+ and C-/P-	200A
Max.Constant Discharging current by B+ and B-	200A
Capacity Efficiency	≥99.5%
<b>Built-in BMS</b>	
Over-charge protection	Cell>3.85V
Over-discharge protection	Cell<2.3V
Over-current protection	Discharging: >750A, delay 20-60mS; Short circuit protection: Integrated
Cell balance	Passive, 200mA
Over temperature protection	Charging: >75°C Discharging: >75°C
Dimension L*W*H (mm)	482*170**242
Weight (kg)	23.7±0.5kg
<b>Environment</b>	
Humidity	5%~95% relative humidity
Charging temperature	0°C~50°C
Discharging temperature	-20°C~55°C
Storage temperature	-20°C~50°C
<b>Service Life</b>	
Cycle life	80%DOD>4500 次, @0.2C, 25°C
Design life	>10 years

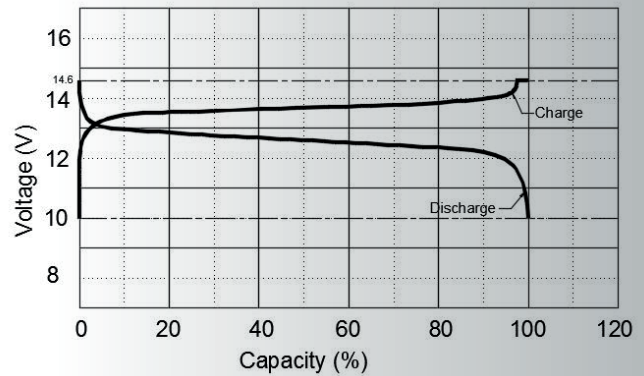


## 5. Performance curve

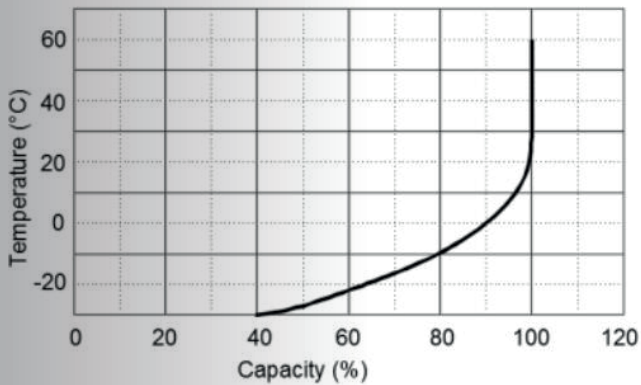
Discharge performance with different rate @ 25°C



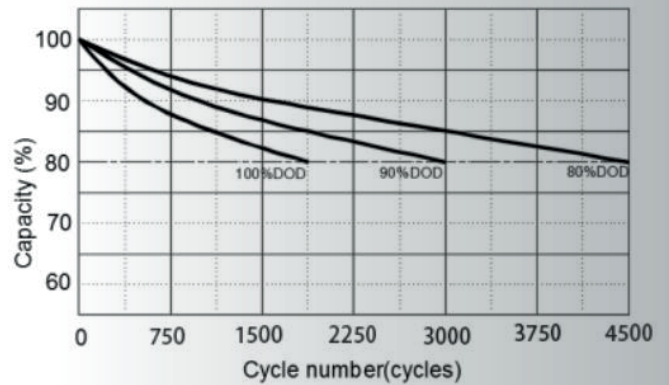
Charge & Discharge curve with 0.5C @ 25°C



Discharge capacity with different temperature @ 0.5C



Cycle life with DOD @ 0.2C, 25°C



Self-discharge @ different temperature

