

# LC 150L

**LiFePO<sub>4</sub> Lithium Battery**  
25.6V | 150Ah | 3840Wh



## Electrical Specifications

Nominal Voltage	25.6V
Nominal Capacity	150Ah
Capacity @ 25 A	360min
Energy	3840Wh
Resistance	≤ 30mΩ
Self Discharge	< 3% / month
Cell Type	LiFePO <sub>4</sub>

## Discharge Specifications

Max. Continuous Discharge Current	150A
Peak Discharge Current	255 ± 5A (5min)
BMS Discharge Cut-Off Current	400A (2s)
Recommended Low Voltage Disconnect	20.0V
BMS Discharge Cut-Off Voltage	> 20V (2.5V per cell)
Reconnect Voltage	> 22.4V (2.8V per cell)
Short Circuit Protection	201 to 600µs

## Charge Specifications

Recommended Charge Current	≤ 60A
Maximum Charge Current	100A
Recommended Charge Voltage	29.2V
BMS Charge Cut-Off Voltage	30V (3.75V per cell)
Reconnect Voltage	<28.8V (3.6V per cell)
Float Charge Voltage	27.6V
Maximum Batteries in Series	4

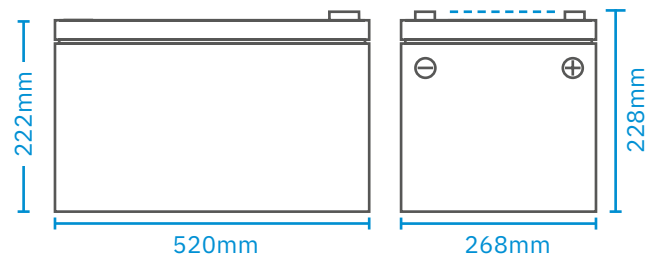
## Mechanical Specifications

Measurements (L × W × H)	520 × 268 × 228mm
Approx. Weight	37.5 kg
Terminal Type	M8
Terminal Torque	9 to 11 N m
Case Material	ABS
Enclosure Protection	IP65

## Temperature Specifications

Discharge Temperature	-20 to 60°C
Charge Temperature	0 to 45°C
Storage Temperature	-10 to 45°C
BMS High Temperature Cut-Off	65°C
Reconnect Temperature	50°C

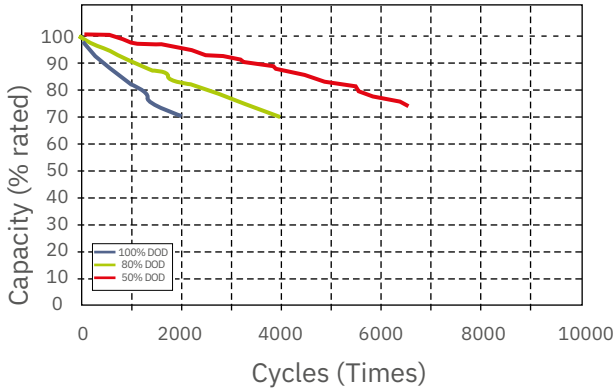
## Measurements



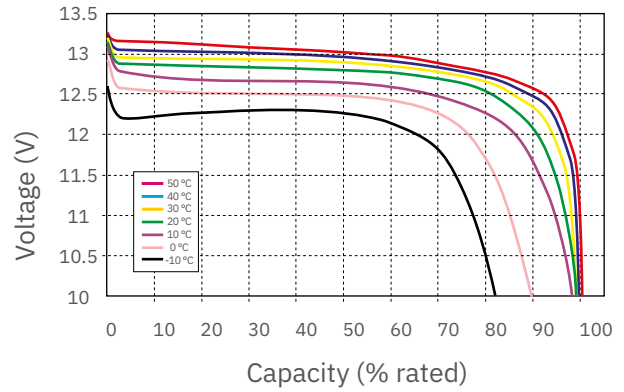
## Compliance

Certifications	CE (Battery) UN38.3 (Battery) RoHS
Shipping Classification	UN 3480, CLASS 9

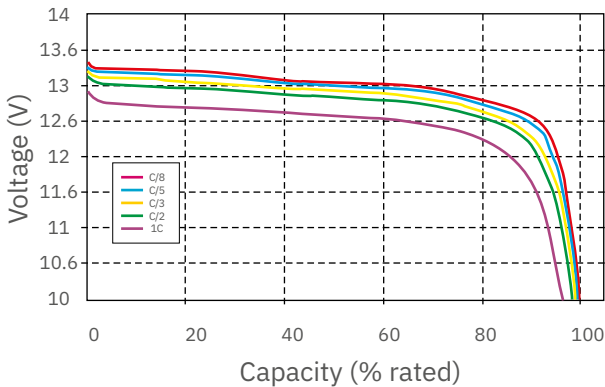
Cycle Life vs. Depth of Discharge (DOD)  
Discharge 0.5C / Charge 0.5C (25°C)



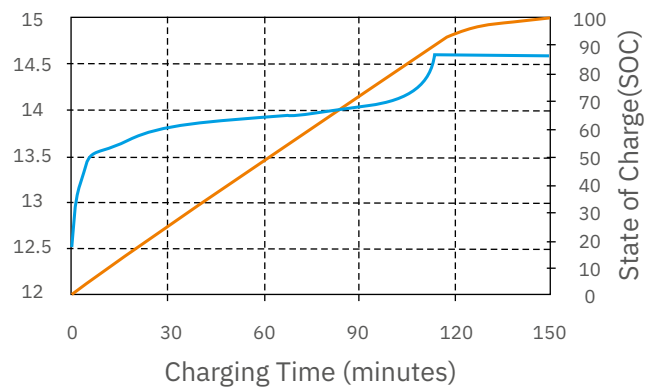
Discharge Voltage Profiles  
at 0.5C Discharge Rate  
(Various Ambient Temperatures)



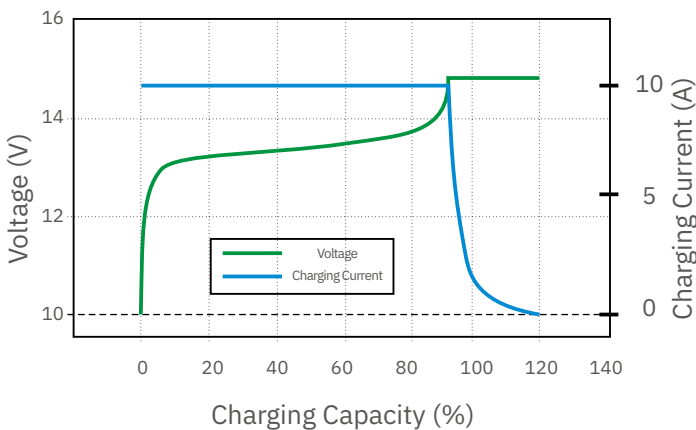
Discharge Voltage Profiles at Various Rates  
(25°C Ambient Temperature)



Typical Voltage and SOC  
Profiles at 0.5C Charging  
(25°C Ambient Temperature)



Charging Characteristics  
(0.5C at 20°C)



Constant Power  
Discharge Characteristics  
(25°C Ambient Temperature)

