

# LC 300 Marine LT



LiFePO<sub>4</sub> Battery | 12.8 V | 300 Ah | 3840 Wh

## Technical Specifications

Nominal Voltage	12.8V
Nominal Capacity	300Ah
Capacity Tolerance	± 4%
Capacity @ 25 A	720 minutes
Energy	3840Wh
Resistance	≤30mΩ
Self Discharge	<3% / month
Cell Type	LiFePO <sub>4</sub>
Certificates	CE, UN38.3, RoHS, IP67, ECE R10

## Mechanical Specifications

Dimensions (L×W×H)	500 × 250 × 230 mm
Approx. Weight	38.0kg
Terminals	M8 (8 to 10 N m)
Case Material	ABS

## Discharge Specifications

Max. Continuous Discharge Current	300A
Peak Discharge Current	400A (15s±5s)
BMS Discharge Cut-Off Current	1000A (5s)
Recommended Low Voltage Disconnect	11.2V
BMS Discharge Cut-Off Voltage	>10V (2.5V/cell)
Reconnect Voltage	>11.2V(2.8V/cell)
Short Circuit Protection	1200A to 500μs

## Charge Specifications

Recommended Charge Current	≤150A
Maximum Charge Current	300A
Recommended Charge Voltage	14.2V
BMS Charge Cut-Off Voltage	15V (3.75V/cell)
Over-charge release	<14.4V (3.6V/cell)
Float charge voltage	13.8V
Maximum Batteries in Series	4

## Temperature

Discharge Temperature	-20 to 60°C
Charge Temperature	-30 to 45°C
Storage Temperature	-10 to 45°C
BMS High Temperature Cut-Off	65°C
Reconnect Temperature	50°C

## Dimensions

