

# LFP V12-7.5 (12.8V 7.5Ah)



Item Code: LFP V12-007,5 T2  
 EAN: 8717101000977

## Specifications

Nominal Voltage	12.8V	
Approx. Weight	1.0 ± 0.1 Kg	2.20 ± 0.22 lbs
Container Material	ABS	
Cell Type-Chemistry	LiFePO4 Cylindrical cell	
Rated Capacity (25 °C)	7.5Ah	5hr, 1.50A, 1.75V/cell
Energy	96.0Wh	
Internal Resistance	≤50.0m Ω	
Efficiency	80%	
Cycle Life 0.2C	>2000 cycles >3000 cycles >4000 cycles	100% D.O.D. 90% D.O.D. 80% D.O.D.
Bluetooth	No	

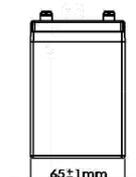
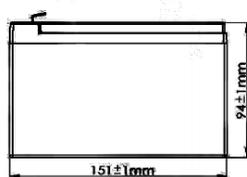


## Certificates/ standards

- CE Certified

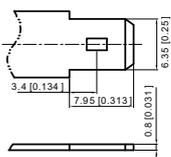
## Dimensions

### Layout



Length	151 mm
Width	65 mm
Container Height	94 mm
Total Height	94 mm

### Terminal



Terminal	T2
Layout	3



## Discharge Parameters

Continuous Discharge Current	20A
Pulse Discharge Current	60A (>1.5 seconds)
Recommended Volt. Disconnect	10V
BMS Discharge Cut-off Voltage	9.2V
Reconnect Voltage	10.8V

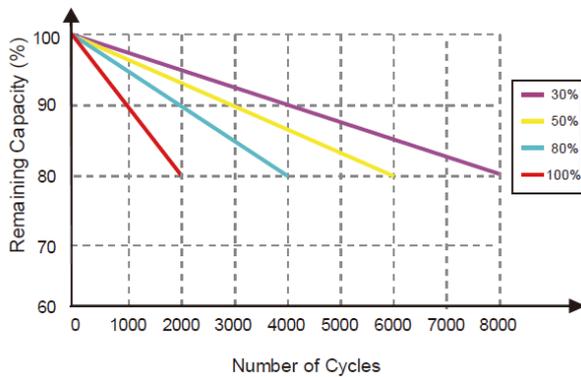
## Charge Parameters

Charge Method	CC - CV
Charge Voltage	14.6
Recommended Charge Current	≤7.5A
Maximum Charge Current	20A
BMS Charge Cut-off Voltage	14.6V

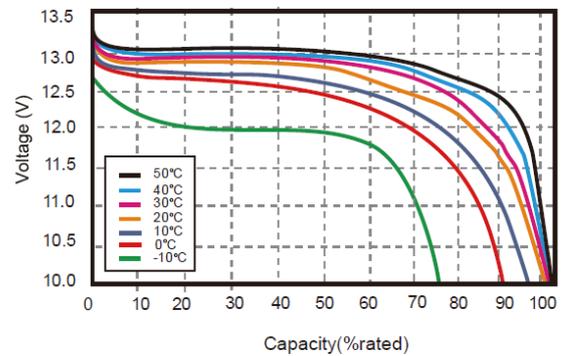
## Temperature Parameters

Recommended Discharge Temperature	-20°C to 60°C
Limit Discharge Temperature	-20°C to 65°C
Recommended Charge Temperature	0°C to 45°C
Limit Charge Temperature	0°C to 60°C
Storage Temperature range	0°C to 40°C
Recommended long-term storage	15°C to 25°C
BMS High Temperature Cutt-off	75°C

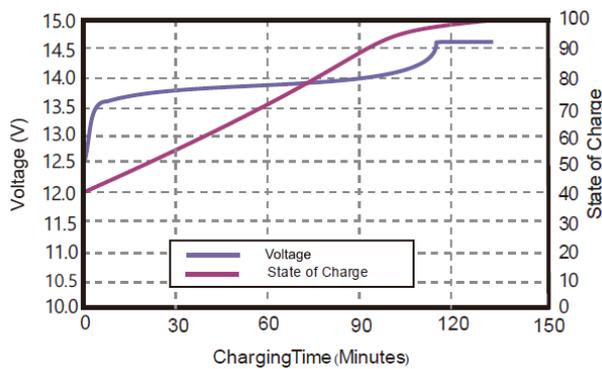
## Discharge 0.1, 25°C Cycle Life vs Depth of Discharge (DOD)



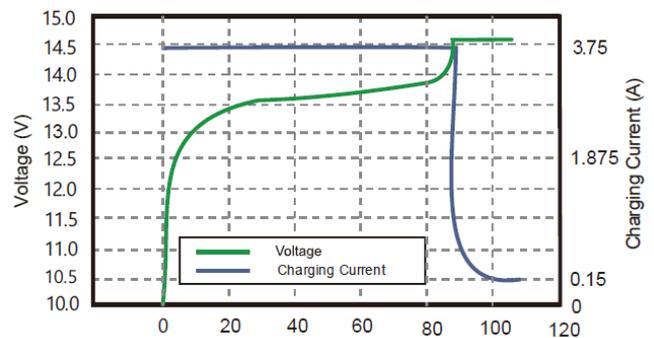
## Discharge 1C Discharge Capacity at Various



## 0.5C, 25 °C State of Charge



## 0.5C, 25 °C Charging Characteristics



(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information.