

# LFP V12-20 (12.8V 20Ah)



Item Code: LFP V12-020 T12  
 EAN: 8717101001059

## Specifications

Nominal Voltage	12.8V	
Approx. Weight	2.4 ± 0.2 Kg	5.29 ± 0.44 lbs
Container Material	ABS	
Cell Type-Chemistry	LiFePO4 Cylindrical cell	
Rated Capacity (25 ° C)	20.0Ah	5hr, 4.00A, 1.75V/cell
Energy	256.0Wh	
Internal Resistance	≤30.0m 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	

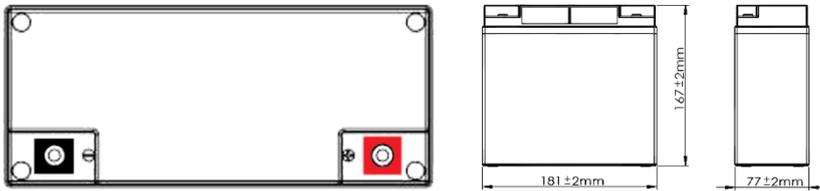


## Certificates/ standards

- CE Certified

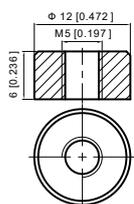
## Dimensions

### Layout



Length	181 mm
Width	77 mm
Container Height	167 mm
Total Height	167 mm

### Terminal



Terminal	T12
Layout	1



## Discharge Parameters

Continuous Discharge Current	30A
Pulse Discharge Current	120A (>1.0 seconds)
Recommended Volt. Disconnect	10V
BMS Discharge Cut-off Voltage	8.0V
Reconnect Voltage	9.2V

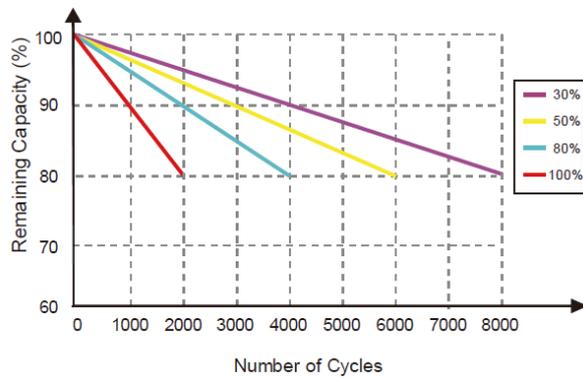
## Charge Parameters

Charge Method	CC - CV
Charge Voltage	14.6
Recommended Charge Current	≤20.0A
Maximum Charge Current	30A
BMS Charge Cut-off Voltage	15.6V

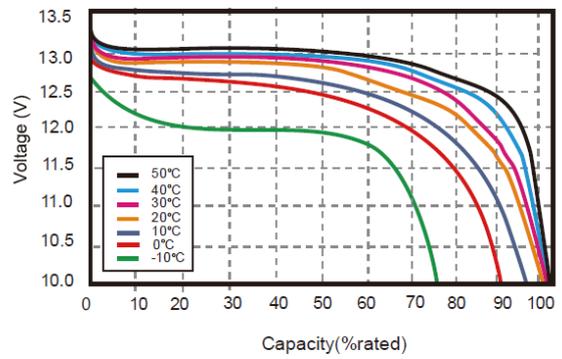
## Temperature Parameters

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	65°C

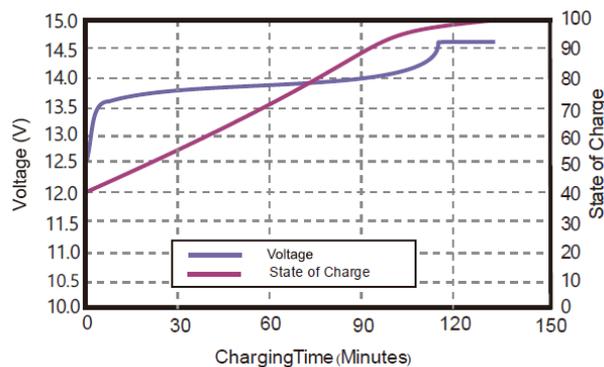
## Discharge 0.1, 25°C Cycle Life vs Depth of Discharge (DOD)



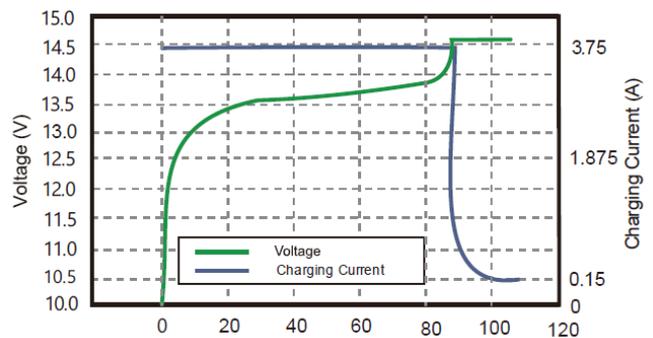
## Discharge 1C Discharge Capacity at Various



## 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.