

Item Code: LFP V12-012
 EAN: 8717101001042

Specifications

Nominal Voltage	12.8V	
Approx. Weight	1.3 ± 0.1 Kg	2.87 ± 0.22 lbs
Container Material	ABS	
Cell Type-Chemistry	LiFePO4 Cylindrical cell	
Rated Capacity (25 °C)	12.0Ah	5hr, 1.50A, 1.75V/cell
Energy	153.6Wh	
Internal Resistance	≤40.0m Ω	
Efficiency	80%	
Cycle Life 0.2C	>2000 cycles	100% D.O.D.
	>3000 cycles	90% D.O.D.
	>4000 cycles	80% D.O.D.
Bluetooth	No	

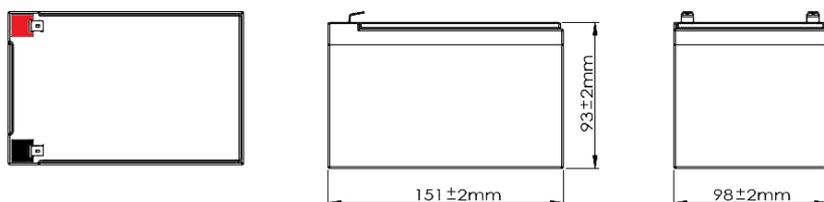


Certificates/ standards

- CE Certified

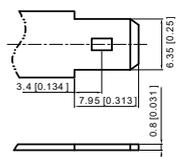
Dimensions

Layout



Length	151 mm
Width	98 mm
Container Height	93 mm
Total Height	93 mm

Terminal



Terminal	T2
Layout	3



Discharge Parameters

Continuous Discharge Current	20A
Pulse Discharge Current	80A (>1.25 seconds)
Recommended Volt. Disconnect	10V
BMS Discharge Cut-off Voltage	8.0V
Reconnect Voltage	9.2V

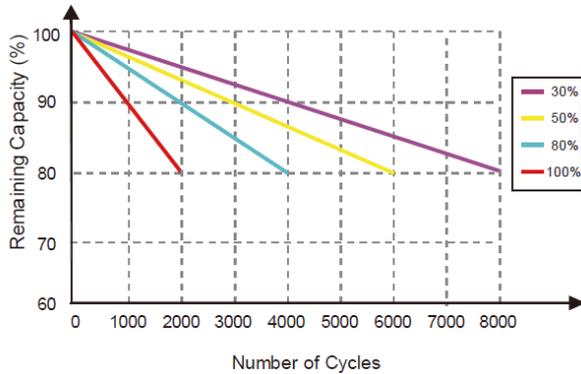
Charge Parameters

Charge Method	CC - CV
Charge Voltage	14.6
Recommended Charge Current	≤12.0A
Maximum Charge Current	20A
BMS Charge Cut-off Voltage	15.6V

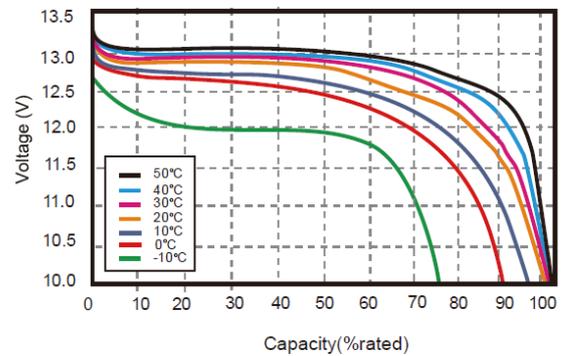
Temperature Parameters

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

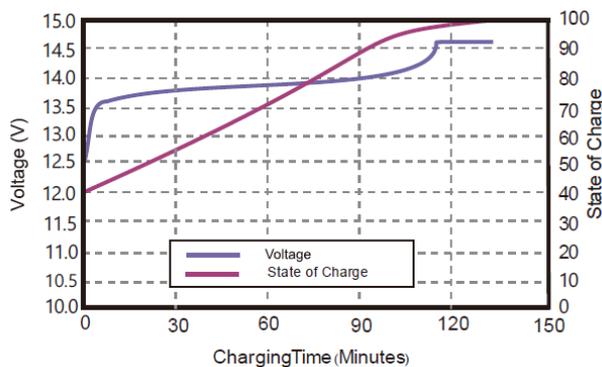
Discharge 0.1, 25°C Cycle Life vs Depth of Discharge (DOD)



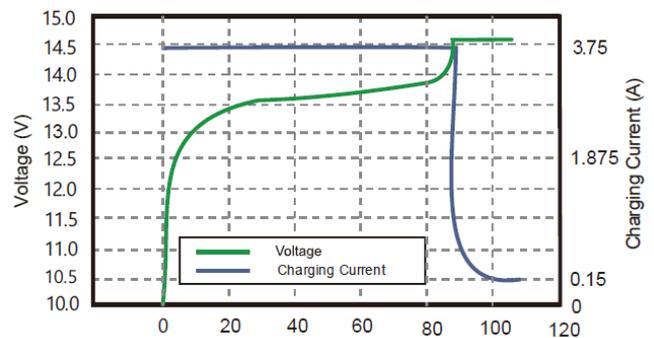
Discharge 1C Discharge Capacity at Various



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.