

LFP V12-40 (12.8V 40Ah)



Item Code: LFP V12-040 T6
 EAN: 8717101001066

Specifications

Nominal Voltage	12.8V	
Approx. Weight	4.3 ± 0.3 Kg	9.48 ± 0.66 lbs
Container Material	ABS	
Cell Type-Chemistry	LiFePO4 Cylindrical cell	
Rated Capacity (25 °C)	40.0Ah	5hr, 8.00A, 1.75V/cell
Energy	512.0Wh	
Internal Resistance	≤25.0m 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	

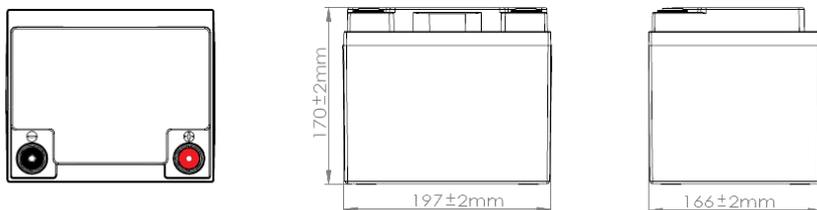


Certificates/ standards

- CE Certified

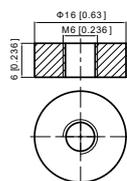
Dimensions

Layout



Length	197 mm
Width	166 mm
Container Height	170 mm
Total Height	170 mm

Terminal



Terminal	T6
Layout	0



Discharge Parameters

Continuous Discharge Current	50A
Pulse Discharge Current	180A (>2.0 seconds)
Recommended Volt. Disconnect	10V
BMS Discharge Cut-off Voltage	9.2V
Reconnect Voltage	10.8V

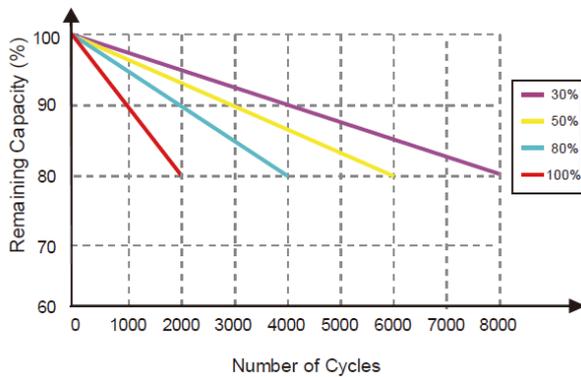
Charge Parameters

Charge Method	CC - CV
Charge Voltage	14.6
Recommended Charge Current	≤40.0A
Maximum Charge Current	50A
BMS Charge Cut-off Voltage	14.6V

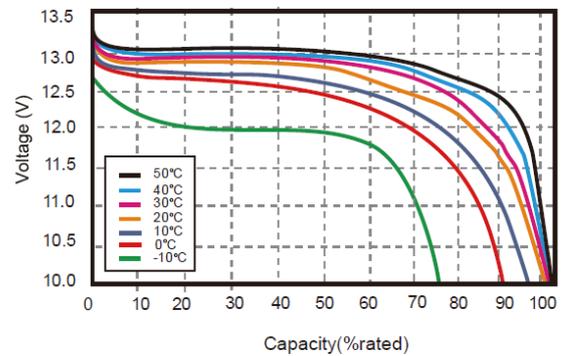
Temperature Parameters

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	65°C

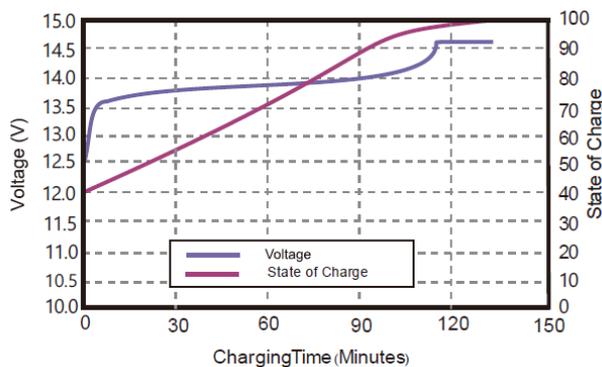
Discharge 0.1, 25°C Cycle Life vs Depth of Discharge (DOD)



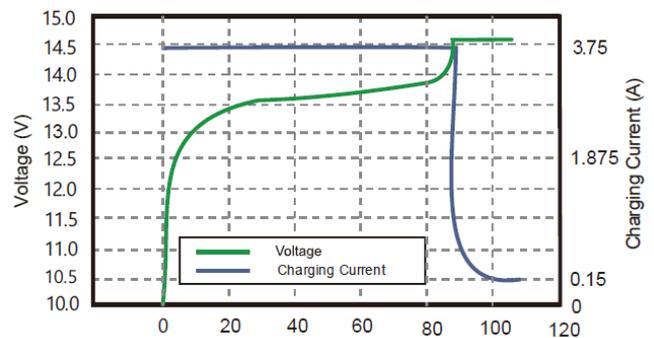
Discharge 1C Discharge Capacity at Various



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.