

Specifications

Nominal Voltage	12.8
Approx. Weight	15.00 Kg (33.06 lbs)
Container Material	ABS
Housing Protection	IP65
Cell Type-Chemistry	LiFePO4 Prismatic Cell
Rated Capacity (25 °C)	100Ah/ 20A (5hr, 1.75V/cell)
Energy	1280Wh
Max. Modules in Serie/ Parallel	4 Serie/ 20 Parallel
Serie/ Parallel support	Max. 2 sets Serie/ Max. 2 sets Parallel
Efficiency	99%
Cycle Life	>3000 cycles at 0.5C, 80% D.O.D.
Protection	Overcharge, Over Discharge, over (high) Temperature, Over Current, Short Circuit
Self-Discharge	2% per Month
Bluetooth	Yes

Download the App

IOS



Android

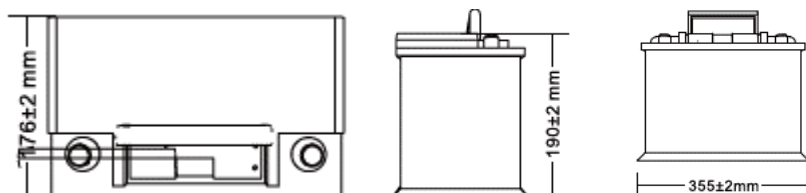


Certificates/ standards

- UL1642 (Cell)
- CE Certified
- Shipping Classification UN3480/ Class 9/ UN38.3

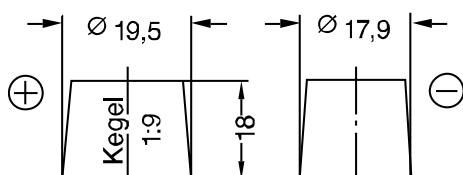
Dimensions

Layout



Length	355 mm
Width	176 mm
Container Height	190 mm
Total Height	190 mm

Terminal



Terminal	1
Layout	x



Since 1993

Discharge Parameters

Continuous Discharge Current	100A
Pulse Discharge Current	200A (10 seconds)
Recommended Volt. Disconnect	11.2V
BMS Discharge Cut-off Voltage	10V

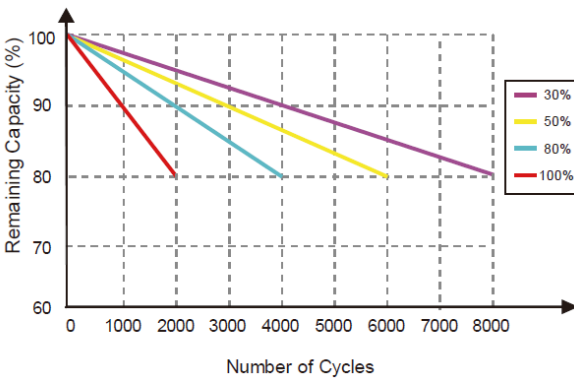
Charge Parameters

Charge Method	CC - CV
Charge Voltage	14.2~14.6V
Recommended Charge Current	50A
Maximum Charge Current	100A

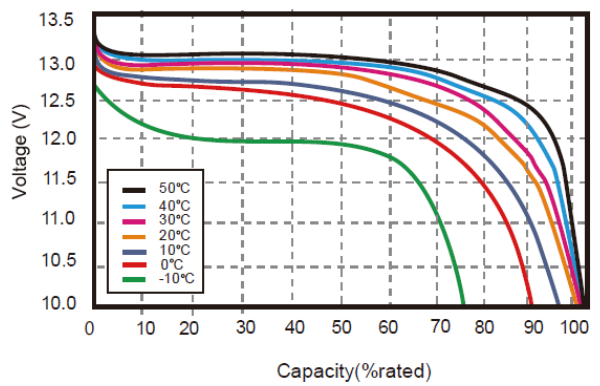
Temperature Parameters

Discharge Temperature	-20 to 55 °C (-4 to 131 °F)
Charge Temperature	0 to 50 °C (32 to 122 °F)

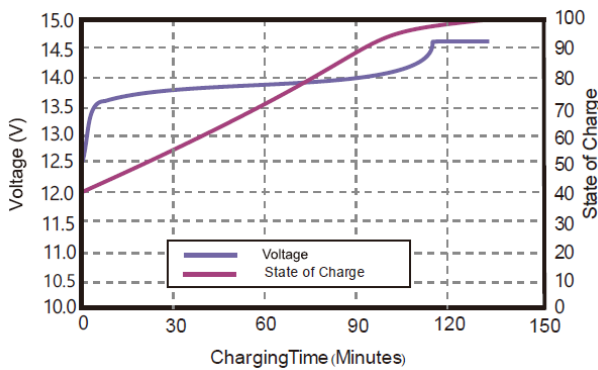
Discharge @ 0.1C , 25 °C Cycle Life Vs. Depth of Discharge (DOD)



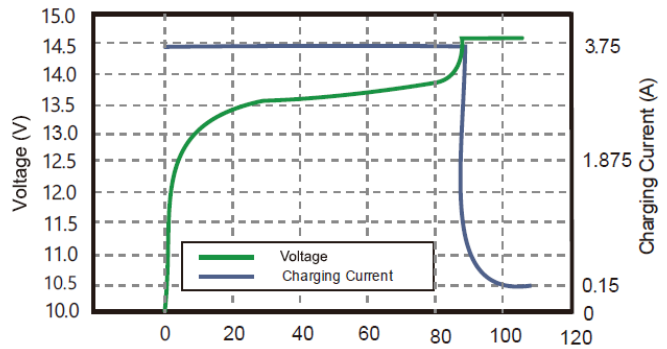
Discharge @ 1C Discharge Capacity at Various



State of Charge @ 0.5C , 25 °C



Charging Characteristics @ 0.5C, 25 °C



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