

LFP V12-100BT2 T11 (12.8V-100Ah)



Item Code: LFP V12-100BT2 T11
EAN: 8717101004371

Specifications

Nominal Voltage	12.8V	
Approx. Weight	13.60 Kg (29.92lbs)	
Container Material	ABS	
Housing Protection	IP56	
Cell Type-Chemistry	LiFePO4 Cylindrical cell	
Rated Capacity (25 °C)	100.0Ah	
Energy	1280.0Wh	
Internal Resistance	≤30.0m Ω	
Efficiency	99%	
Max Modules in Series/ Parallel	4S/ 20P	
Cycle Life 0.2C	>2000 cycles	100% D.O.D.
	>3000 cycles	90% D.O.D.
	>4000 cycles	80% D.O.D.
Bluetooth	Yes	

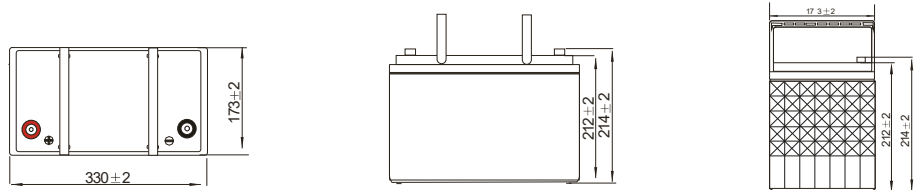


Certificates/ standards

- CE Certified

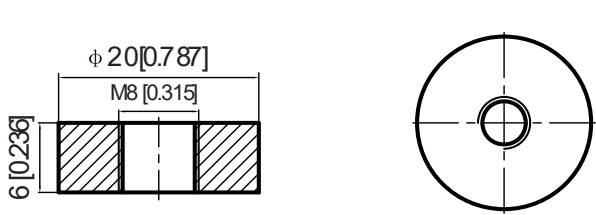
Dimensions

Layout



Length	330 mm
Width	173 mm
Container Height	212 mm
Total Height	214 mm

Terminal



Terminal	T11
Layout	1

Discharge Parameters

Continuous Discharge Current	100A
Pulse Discharge Current	300A (>3.0 seconds)
Recommended Volt. Disconnect	10V
BMS Discharge Cut-off Voltage	8V
Reconnect Voltage	9.2V
Short Circuit Protection	200~600 us

Charge Parameters

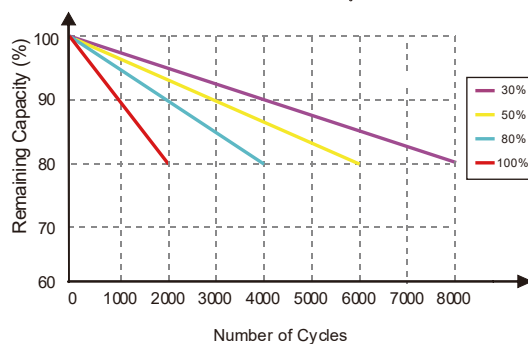
Charge Method	CC - CV
Charge Voltage	14.4~14.8V
Recommended Float Voltage	13.8V
Recommended Charge Current	50A
Maximum Charge Current	100A
BMS Charge Cut-off Voltage	15.6V

Temperature Parameters

Discharge Temperature	-30°C to 60°C	-22°F to 140 °F
Charge Temperature	0°C to 45°C	32°F to 113 °F
Storage Temperature	-40°C to 60°C	-40°F to 140 °F
BMS High Temperature Cutt-off	80°C	

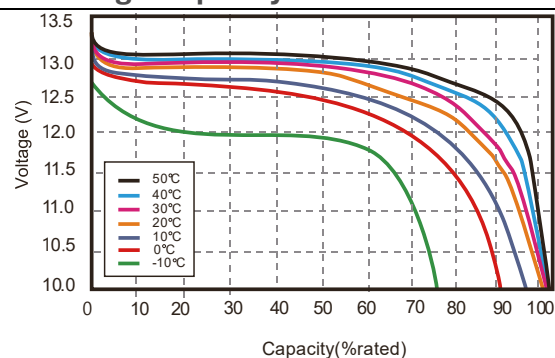
Discharge 0.1, 25°C

Cycle Life vs Depth of Discharge (DOD)



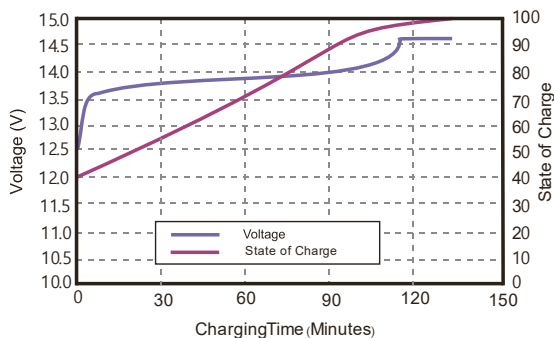
Discharge 1C

Discharge Capacity at Various



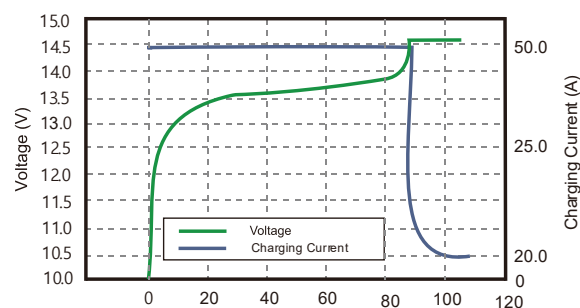
0.5C, 25 °C

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.