

Model: Power-Xtra PX100-12.8C1 - 12.8V 100 Ah LiFePo4 Battery -1C

Stock Code: 900.869.509.050

Electrical Parameters

Item	Specifications
Nominal Voltage	12.8±0.05V
Typ. Capacity	100 Ah
Energy	1280Wh
Resistance	≤30mΩ
Efficiency	99%
Cycle Life	>2000cycles @1C,100% DOD
Self Discharge	2% per Month
Max. Modules in Series/Parallel	4S/20P

Mechanical Parameters

Item	Specifications
Dimension(L x W x H)	330 x 173 x 212 mm
Weight	13.60kg
Terminal Type	M8
Battery Housing	ABS, UL-94 V-0
Housing Protection	IP56
Cell Type-Chemistry	LiFePO4 Cylindrical Cell
SOC Display(Optional)	LED/LCD Indicator

Discharge Parameters

Item	Specifications
Continuous Discharge Current	100A
Pulse Discharge Current	100A(<3seconds)
Recommended Volt. Disconnect	10V
BMS Discharge Cut-off Voltage	8V
Reconnect Voltage	9.2V
Short Circuit Protection	200~600 us

Charge Parameters

Item	Specifications
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

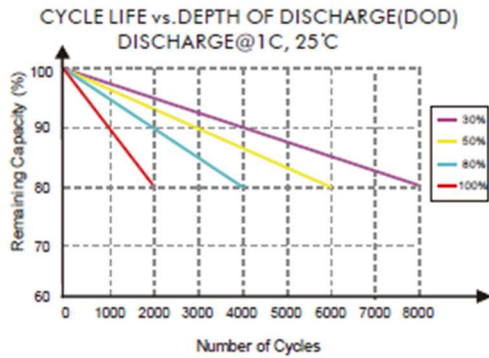
Item	Specifications
Discharge Temperature	-30C° to 60 C°
Charge Temperature	0C° to 45 C°

Item	Specifications
Storage Temperature	-40C° to 60 C°
BMS High Temperature Cut-off	80 C°

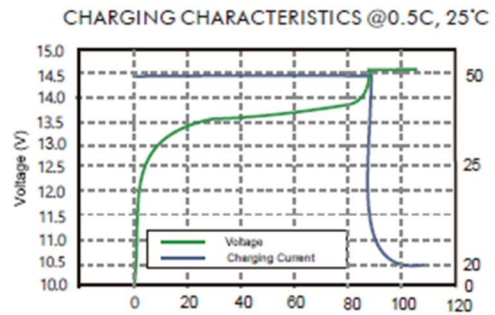
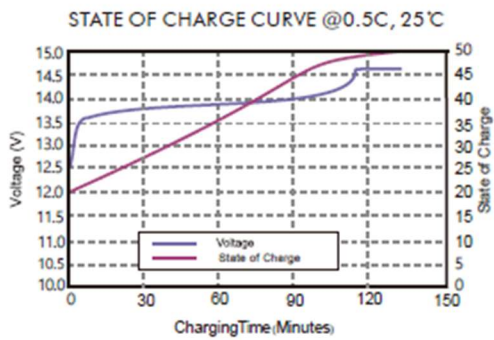
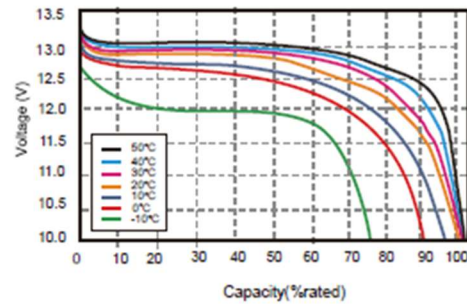
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Performance Characteristics



**DISCHARGE CAPACITY at VARIOUS TEMPERATURES
DISCHARGE @1C**



Battery Dimension

