

DataSheet

XDLP-48-100

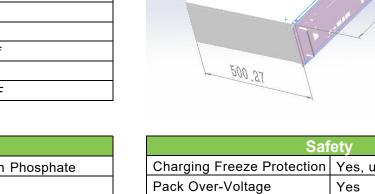
51.2V 100Ah Lithium (LiFePo4) Battery

General		
Nominal Voltage	51.2V	
Working Voltage	40.0V - 57.6V	
Nominal Capacity	100Ah	
Energy	5120Wh	
Self Discharge	≤3% Per Month	

Discharging		
Rec Continuous Discharge	100A	
Rec. Voltage Cutoff	44.8V	
BMS Voltage Cutoff	40.0V	
BMS Voltage Recovery	43.2V	
Discharge Temp Range	-4F to 140F	



Charging		
Rec Charging Current	20A	
Max Charging Current	100A	
Bulk/Absorb Voltage	57.6V	
Float Voltage	57.6V or Off	
BMS High Voltage Cutoff	57.6V	
Charging Temp. Range	32F to 140F	



Physical		
Cell Chemistry	Lithium Iron Phosphate	
Cell Type	Prismatic	
Cell Configuration	16S1P	
Series Connectable	No	
Parallel Connectable	Yes, up to 16	
Weight	46Kg	
Dimensions LxWxH	440mm *500.27mm * 177mm	
Terminal Type	M8	
Shell Type	Metal	
UN Shipping Class	UN 3480	

Safety	
Charging Freeze Protection	Yes, under 32F
Pack Over-Voltage	Yes
Cell Over-Voltage	Yes
Pack Under-Voltage	Yes
Cell Under-Voltage	Yes
Cell Over-Temp	Yes
BMS Over-Temp	Yes
Short Circuit / Over Current	Yes
Certifications	UN38.3, CE
IP Rating	IP43





All efforts have been made to ensure the data in this datasheet are correct and up to date. XD Battery constantly monitors product documentation for inaccuracy and routinely update documentation to refect the most accurate information available.

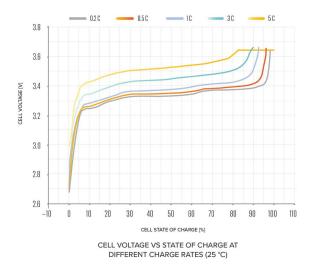


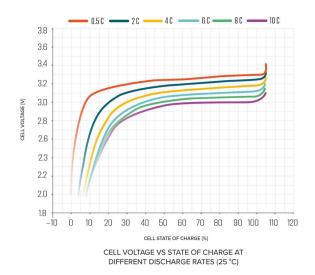
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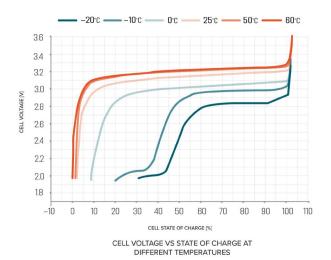
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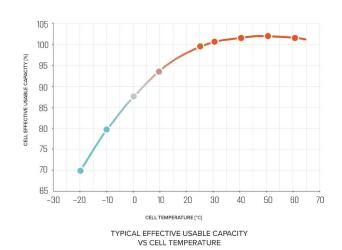
Battery Characteristics

The following graphs demonstrate the operational characteristics of LiFePo4 cells under a variety of conditions. Many factors play a role in the exact capacity, performance, lifetime and safety of a lithium battery so every installation varies depending on the exact setup and use case. These serve only as a guide and do not reflect the exact characteristics of any individual battery.













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