power-xtra

Model: Power-Xtra PX2714995P - 3.2V 25 Ah LiFePO4 Battery - 15C
Stock Code: 900.600.503.466

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Nominal Voltage	3.2±0.05V	1C, 25±2℃, 2.5~3.65V
Charging	Method	CC-CV
	Voltage	3.65±0.05V
Typ. Capacity	**25 Ah**	1C, 25±2℃, 2.5~3.65V
Minimum Capacity	24 Ah	
Internal Impedance	≤1.0mΩ	AC 1kHz
Standard Charge Current	25 A (1.0C)	25±2℃
Standard Discharge Current	25 A (1.0C)	25±2℃
Maximum Continuous Charge Current	125 A (5.0C)	25±2℃
Max. Continuous Discharge Current	**375 A (15.0C)**	25±2℃
Maximum Pulse Discharge Current	**500 A (20.0C)**	25±2℃, 50% SoC, 10s
Operating Temperature	Charge	0~+60℃
	Discharge	-40~+60℃
Storage Temperature	Charge	≤ One month - -20~+45℃ - Storage ambient humidity≤90%RH
	Discharge	> One month - 0~+35℃ - Storage ambient humidity≤90%RH
Overtemperature protection	-40~+60℃	If the operating temperature of the cell exceeds the safe temperature range, the cell stops charging and discharging.
Weight	720±20g	approximately
Cycles Test	The single cell shall be stabilized between 2 metallic plates and cycled as per standard charge and discharge method. Record the number of cycles and define it as the cell cycle life when the cell capacity is less than 80% of the initial cell capacity.	**25/25A - 1C/1C ≥5000 times 25±2℃, 2.0-3.65V**
	The single cell shall be stabilized between 2 metallic plates, then 5C CC to 3.65V, CV to 0.05C, rest 30 min, 5C DC to 2.5V, rest 30 min, the cell repeat the previous steps. Record the number of cycles and define it as the cell cycle life when the cell capacity is less than 80% of the initial cell capacity.	**125/125A - 5C/5C ≥3500 times, 25±2℃, 2.0-3.65V**

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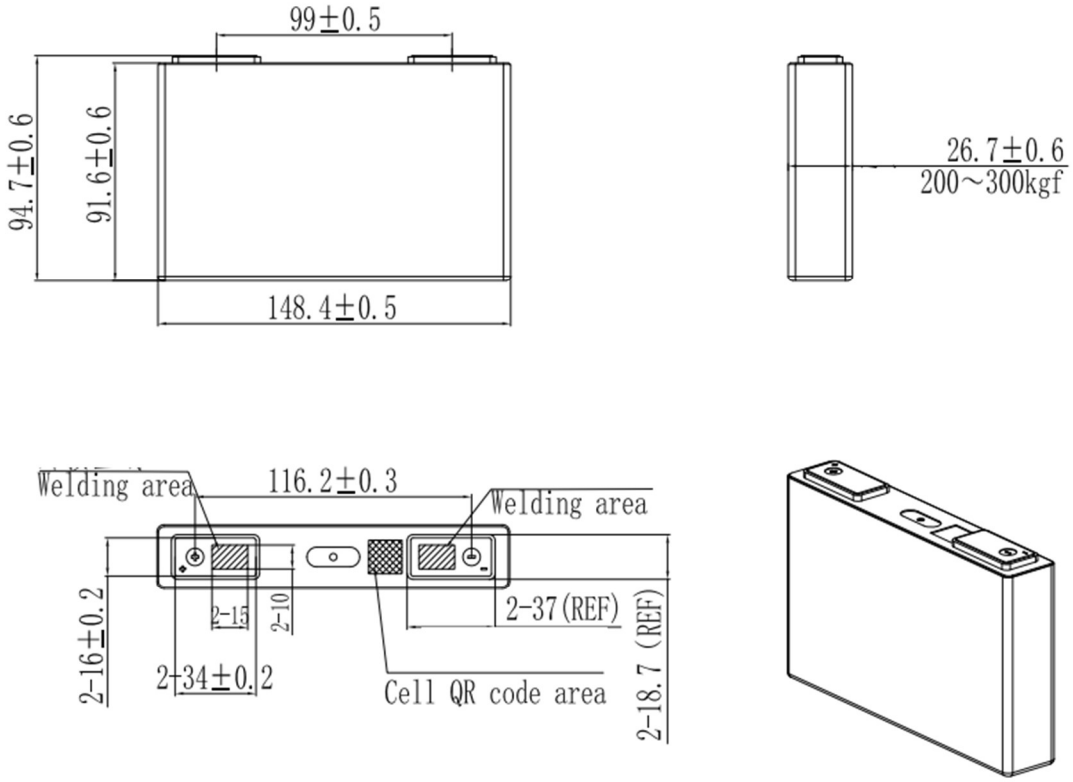
TECHNICAL DRAWINGS



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