

Model: Power-Xtra PX23140160 - 3.2V 55 Ah LiFePO4 Prismatic Cell - 2C

Stock Code: 900.600.503.392

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	3.2±0.05V	Mean Operation Voltage
Charging	Method	CC-CV
	Voltage	3.65±0.05V
Typ. Capacity	55 Ah	1.0C to 2.5V at 25±2°C
Charge Voltage	3.65±0.03V	By standard charge method
Delivery Capacity	3%~40% SOC	Within 10 days from factory
Delivery Voltage	2.90~3.40V	
Standard charging method	0.5C constant current,3.65V constant voltage charge to 3.65V,continue charging till current deadline to≤0.05C (25±3°C)	
Standard discharging method	0.5C constant current discharge to 2.5V (25±3°C)	
Cell Internal Impedance	≤0.45mΩ	Fresh Cell, Internal Resistance measured at AC 1KHZ after %3 charge
Weight	1.100±0.5 gr	
Maximum Continous Charge	1C – 55A	
Maximum Continous Discharge	1C – 55A	
Maximum Pulse Charge - Discharge	2C – 110A	30s
Operation Humidity Range	0%~85% R.H.	
Altitude	≤4500m	
Cycle Life @25°C / 1C/80%SOH	≥80% of nominal capacity for 3000 cycles	25±2°C, cycle test by 1.0C charge – discharge method 300±20Kgf preload

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Dimension Details

Item	Description	Dimension
1	Thickness	23.5±0.5 mm
2	Width	140.2±0.5 mm
3	Length / Height – H1	160.2±0.2 mm
4	Length / Height – H1	163.0±0.2 mm
5	Plate Length – D2	35.0±0.5 mm
6	Plate Spacing – D3	80.0±0.5 mm
7	Plate Width – D4	15.0±0.5 mm

Technical Drawing

