

LFP Cells



Basic Properties	PLFP-100	PLFP-302	PLFP-304
Cell Type	LiFePO ₄ - Prismatic		
Nominal Capacity	100Ah	302Ah	304 Ah
Nominal Voltage	3.2V		
Charge Cut-off Voltage	3.65V		
Discharge Cut-off Voltage (> 0°C)	2.50V		
Charge Cut-off Current	0.05C		
Discharge Temperature (****)	-15~50°C	-30~55°C	-30~60°C
Charge Temperature	0~50°C	0~55°C	
Storage Temperature	-10~60°C		
Standard Charge/Discharge Rate (25°C)	0.5C/0.5C		1C / 1C
Max. Continuous Charge/Discharge Rate	1C / 1C	0.5C / 1C	1C / 1C
Max. Pulse (30s) Charge/Discharge Rate	2C / 2C		
ACR (25°C, 15%SOC,1KHz)	≤0.6mΩ	≤0.25mΩ	≤0.25mΩ
DCR (25°C, 50%SOC,100A/10s)	≤1.5mΩ	≤0.6mΩ	≤0.5mΩ
Self Discharge	≤4%/month (50%SOC, 25°C ± 2C)		
Cycle Life	≥6000(*)	≥6000 (**)	≥6000(****)
Physical Properties			
Humidity Range	0-85%RH (non-condensing)		
Altitude	<4500 m		
Case	Prismatic - Aluminium		
Width	173.6 ± 0.5 mm	174.7 ± 0.5 mm	174.92 ± 1.0 mm
Depth	48.6 ± 0.5 mm	71.65 ± 0.5 mm	71.72 ± 1.0 mm
Height (No Pole)	115.6 ± 0.5 mm	204.5 ± 1.0 mm	204.22 ± 1.0 mm
Height (Including Pole)	121.5 ± 0.5 mm	207.0 ± 0.5 mm	207.01 ± 1.0 mm
Weight	2.0 ± 0.1 kg	5.49 ± 0.3 kg	5.58 ± 0.2 kg

(*) Test Conditions: 25°C, 70% SOH

(**) Test Conditions: 25°C, 80% SOH

(***) Test Conditions: 25°C, 70% SOH

(****) Performance may vary in different conditions