

LFP Modules



Basic Properties	PMS-1P4S100	PMS-1P8S100	PMS-1P12S100	PMS-2P4S100
Cell Type	LiFePO ₄ - Prismatic			
Nominal Capacity	100Ah	100Ah	100Ah	200Ah
Nominal Voltage	12.8V	25.6V	38.4V	12.8V
Limited Voltage in Charge	14.6V	29.2V	43.8V	14.6V
Final Voltage Discharge (>0°C)	10.0V	20.0V	30.0V	10.0V
Discharge Temperature (**)	-15~50°C			
Charge Temperature	0~50°C			
Storage Temperature	-10~60°C			
Standard Charge/Discharge Rate (25°C)	0.5C / 0.5C			
Max. Continuous Charge/Discharge Rate	1C / 1C			
Max. Pulse (30s) Charge/Discharge Rate	2C / 2C			
Cell ACR (25°C, 15%SOC,1KHz)	≤0.6mΩ			
Cell DCR (25°C, 50%SOC,100A/10s)	≤2.0mΩ			
Cell Capacity Retention (25°C, 100%SOC, 30days)	≥95%			
Cell Capacity Retention (60°C, 100%SOC, 7days)	≥95%			
Self Discharge	≤3%/month (25°C ± 2C)			
Cell Cycle Life (*)	≥6000 cycle			
Physical Properties				
Humidity Range	0-85%RH (non-condensing)			
Altitude	<3000m			
Case	Prismatic - Aluminium			
Width	175 ± 0.5 mm	175 ± 0.5 mm	175 ± 0.5 mm	175 ± 0.5 mm
Depth	233 ± 0.5 mm	430 ± 0.5 mm	627 ± 0.5 mm	233 ± 0.5 mm
Height (Including Porthead)	139 ± 0.5 mm	139 ± 0.5 mm	139 ± 0.5 mm	139 ± 0.5 mm
Weight	10 ± 0.1 kg	18 ± 0.1 kg	26 ± 0.1 kg	18 ± 0.1 kg

(*) Test Conditions: 25°C, 70% SOH

(**) Performance may vary in different conditions