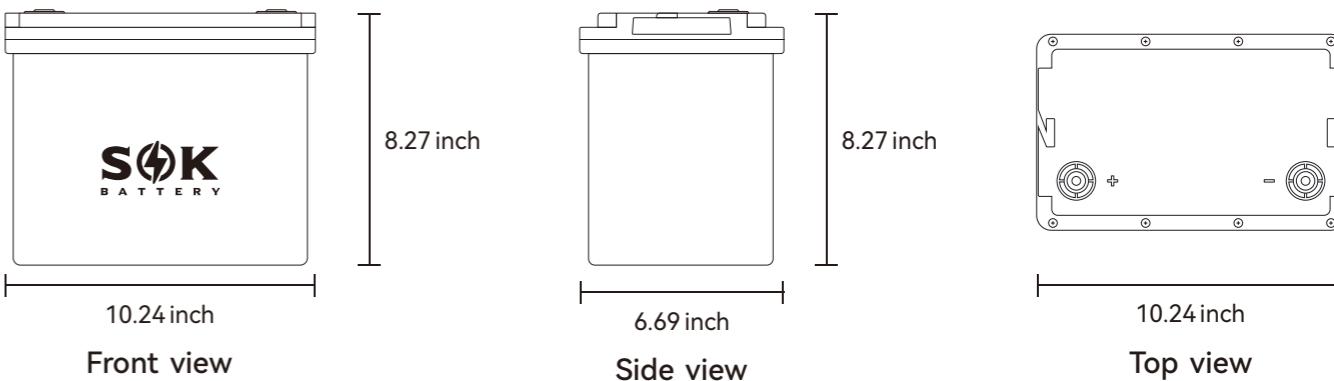




## SK12V100PC

LITHIUM IRON PHOSPHATE BATTERY  
Drop-In Replacement LiFePO4 Battery



### ELECTRICAL PERFORMANCE

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Energy	1280Wh
Self Discharge	<3%/Month
Cells	3.2V 100Ah Cell

### CHARGE PERFORMANCE

Recommended Charge Current	<50A
Maximum Charge Current	70A
Recommended Charge Voltage	13.8~14.6V
BMS Charge Cut-Off Voltage	<14.6V
Reconnect Voltage	>14.4V
Balancing Voltage	<14.4V
Maximum Batteries in Series	4
Maximum Batteries in parallel	10

### DISCHARGE PERFORMANCE

Maximum Continuous Discharge Current	100A
Peak Discharge Current	170A(4S)
Recommended Low Voltage Disconnect	10.4V
BMS Discharge Cut-Off Voltage	>10.4V(50~150ms)(2.6V/Cell)
Reconnect Voltage	>11.6V(2.9V/Cell)
Short Circuit Protection	200 ~ 500

### TEMPERATURE PERFORMANCE

Discharge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)
Charge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)
Storage Temperature	-4 ~ 140 °F (-20 ~ 60 °C)
BMS High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	131 °F (55 °C)

### MECHANICAL PERFORMANCE

Dimension (LxWxH)	10.24*6.69*8.27inch
Approx. Weight	24.7 lbs
Terminal Type	M8
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	Sealed Plastic
Enclosure Protection	IP65

### COMPLIANCE

Certifications	UL1973,UL9540A,IEC62619 for cells MSDS for shipping
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Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.



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