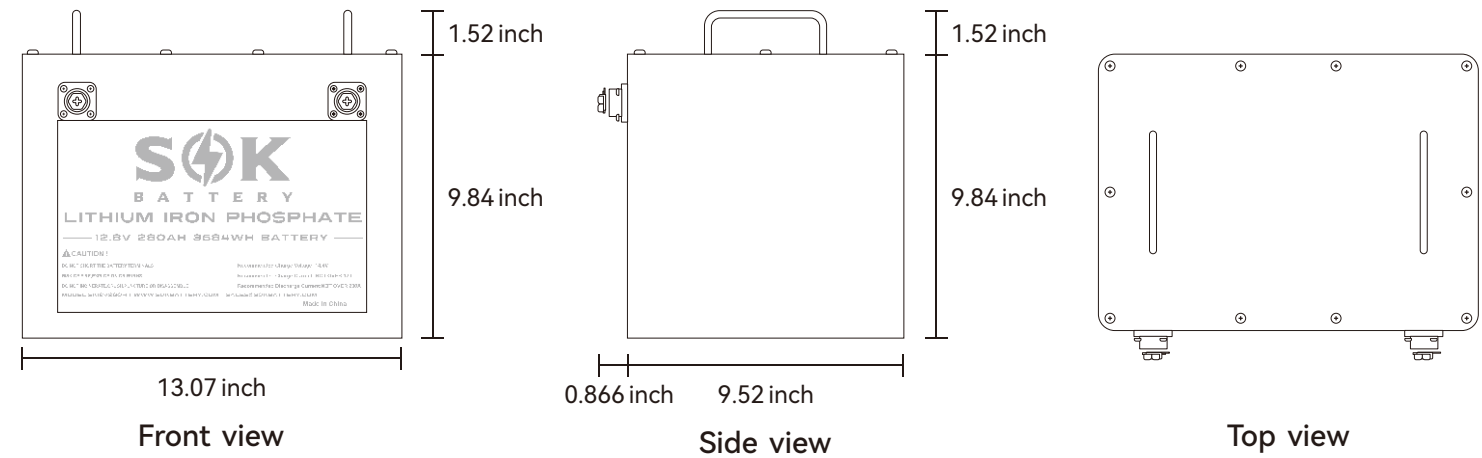




SK12V280H

LITHIUM IRON PHOSPHATE BATTERY  
Drop-In Replacement LiFePO4 Battery



ELECTRICAL PERFORMANCE

Nominal Voltage	12.8V
Nominal Capacity	280H
Energy	3584Wh
Self Discharge	<3%/ Month
Cells	3.2V 280Ah Cell

TEMPERATURE PERFORMANCE

Discharge Temperature	-4 ~ 140 °F (-20 ~ 60°C)
Charge Temperature	4 ~ 113 °F (-20 ~ 45°C)
Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C )
BMS High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	131 °F (55 °C)

CHARGE PERFORMANCE

Recommended Charge Current	56A/0.2C
Maximum Charge Current	120A
Recommended Charge Voltage	14.6V
BMS Charge Cut-Off Voltage	<14.6V(3.65V/Cell)
Reconnect Voltage	>14.4V(3.6V/Cell)
Balancing Voltage	<14.4V(3.6V/Cell)
Maximum Batteries in Series	4
Maximum Batteries in parallel	10

MECHANICAL PERFORMANCE

Dimension (LxW x H)	13.07*9.52*9.84inch
Approx. Weight	73 lbs
Terminal Type	M8
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	Black paint aluminum case
Enclosure Protection	IP50

COMPLIANCE

Certifications	UL1973,UL9540A,IEC62619 for cells MSDS for shipping
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DISCHARGE PERFORMANCE

Maximum Continuous Discharge Current	200A
Peak Discharge Current	250A
Recommended Low Voltage Disconnect	11.2V
BMS Discharge Cut-Off Voltage	>10.4V(50~150ms)(2.6V/Cell)
Reconnect Voltage	>11.6V(2.9V/Cell)
Short Circuit Protection	200 ~ 500

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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