

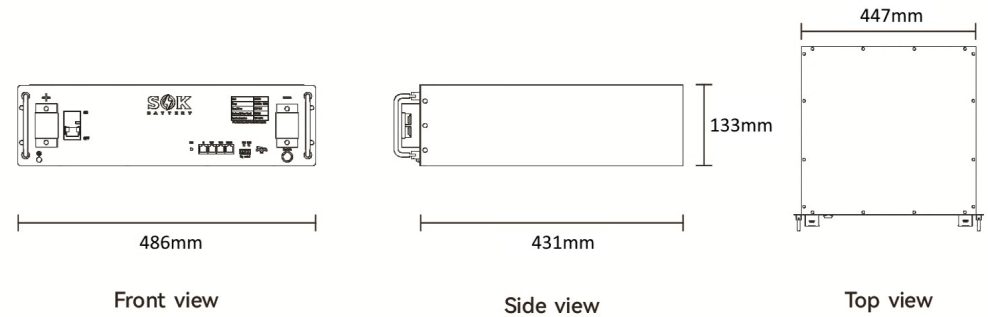


SK48V100N

LITHIUM IRON PHOSPHATE BATTERY

Drop-In Replacement LiFePO4 Battery

- 3U Rack-Mount Design
- On/Off Switch
- Self-Heating
- Bluetooth OTA Support
- Bluetooth Inverter Protocol Selection
- Custom-Molded Terminals
- Automatic Master/Slave Assignment



ELECTRICAL PERFORMANCE

Nominal Voltage	51.2V
Nominal Capacity	100Ah
Energy	5120Wh
Self Discharge	<3% / Month
Cells	3.2V 100Ah

CHARGE PERFORMANCE

Recommended Charge Current	50A
Maximum Charge Current	100A
Recommended Charge Voltage	≤58.4V
Maximum Batteries in Series	48

DISCHARGE PERFORMANCE

Maximum Continuous Discharge Current	100A
Peak Discharge Current	120A/min
Recommended Low Voltage Disconnect	44.8V

TEMPERATURE PERFORMANCE

Discharge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)
Charge Temperature	-4 ~ 122 °F (-20 ~ 50 °C)
Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)
BMS High Temperature Cut-Off	Discharge 167 °F (75 °C) Charge 158 °F (70 °C)
Reconnect Temperature	Discharge 149 °F (65 °C) Charge 140 °F (60 °C)

MECHANICAL PERFORMANCE

Dimension (L x W x H)	486 x 431 x 133mm
Approx. Weight	45.5kg
Terminal Type	M8
Terminal Torque	9-11 Nm
Case Material	SPCC+SGCC
Enclosure Protection	IP20

INVERTER SUPPORTED

CAN	RS485
Victron/SMA/SOFAR /Studer Innotec	Voltronic/RCT/MPP /Alphaoutback
PYLON/Sol-Ark/Solis/Goodwe /Deye/Growatt/SAJ/Megarevo /INVT/Sermatec/TBB/MUST /Sunsynk	SRNE/RYLON/Growatt
Schneider	
LUXPOWER	

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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