



# SOK 48V 100Ah NCBT Data Sheet

Electrical Performance	
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Capacity @ 20A	300 min
Energy	5120Wh
Max Terminal Feedthrough Current	350A
Self Discharge	<3% per month
Max Batteries in Series	1
Max Batteries in Parallel	Unlimited



Charge Performance	
Recommended Charge Current	up to 50A
Max Continuous Charge Current	50A (75A Surge)
Recommended Charge Voltage	57.6V
BMS Cell Protection Voltage	3.7V
BMS Pack Protection Voltage	>58.2V

Temperature Performance	
Discharge Temperature	20 to 113°F (-6 to 45°C)
Charge Temperature	32 to 113°F (0 to 45°C)
Storage Temperature	23 to 95°F (-5 to 35°C)
BMS Low Temp Cut-Off	32°F (0°C)
Reconnect Temperature	>33°F

Discharge Performance	
Max Cont. Discharge Current	75A (.75C)
Peak Discharge Current	150A (3s, auto BMS shutdown)
BMS Low Voltage Disconnect	46V
BMS Low Voltage Recover	48V
Short Circuit Protection	300A, 200µs

Mechanical Performance	
Dimensions (WxHxD)	17.5 x 7 x 18.25 inches
Appx. Weight	97.6 lbs.
Terminal Torque	10 ft-lbs
Internal Temp Sensors	2 Cell, 1 BMS
Case Material	Powder Coated Steel



Compliance	
Certifications	N/A
Enclosure Protection	IP20