

SOLiCORE 48V 100Ah Solid State Rack Mount Battery

48ELSS100

- Higher Safety: no fire and no smoke even if penetrated by nails
- Better performance at low temperature: over 97% capacity discharged at -20°C .
- Max. 16pcs in Parallel to get Max. 86kwh system.
- Modular, Scalable & Proven Performance.
- Longer Cycle life: over 5000times at 100% DOD and over 10000times at 80% DOD.
- Lower temperature rising when working, less than 7°C rising at 0.5C .
- Maintenance Free & Compatible with most Brands inverters.





48ELSS100

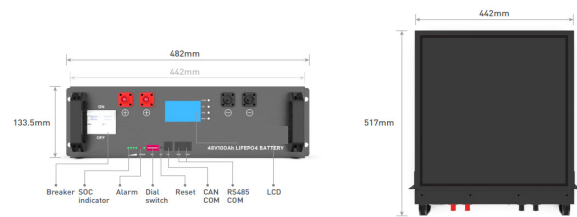
BATTERY SPECIFICATIONS

Specifications

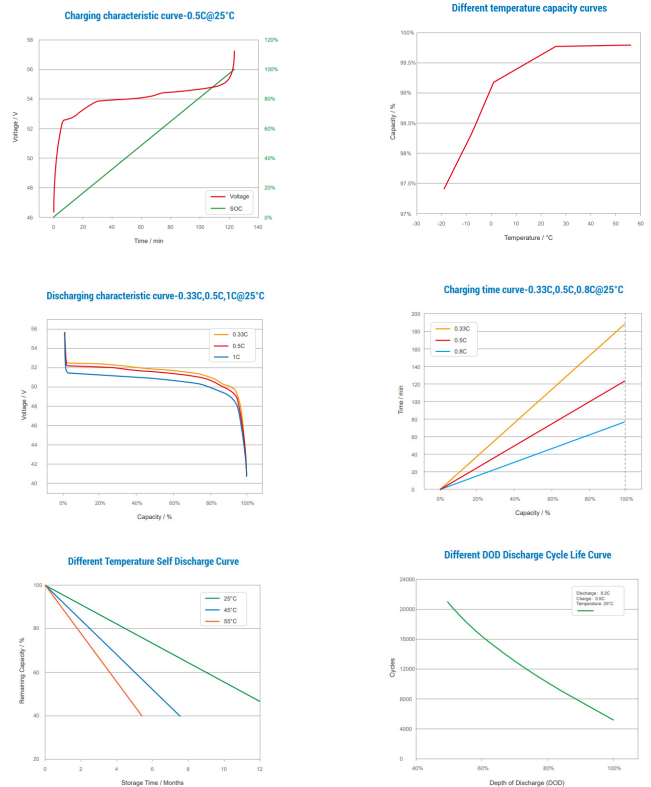
Electrical Specifications	Nominal Voltage	51.2V
	Nominal Capacity	100Ah
	Parallel Connection	Max. 16 Units
	Serial Connection	No
	BMS	16S100A
	Circuit Protection	Over charge, Over discharge, Over current, Over temp, Short, Balance
	Communication	2×RS485 and 1×CAN; LCD
	Cycle Life	5000times @100%DOD and 10000times @80% DOD
	Self Discharge	Less than 3% per month
	Charge Efficiency	100% @0.2C
Charge Specifications	Charge Voltage	57.6±0.8V
	Standard Current	20A
	Fast Current	50A
Discharge Specifications	Standard Current	20A
	Max. Con. Current	100A
	Peak Current	250A (2s)
Mechanical Specifications	Dimensions (mm)	517×442(482)×133.5m
	Approx. Weight (kg)	43
	Terminal Type	ES08 Energy Storage Quick Insert
	Case Color/material	Black Metal Case
	IP Rating	IP54
	Cell Type	3.2V 50A Solid State Cell
	Temperature Specifications	Charge Temp
Discharge Temperature		-20°C to 60°C
Storage Temperature		-20°C to 45°C

SOLiCORE 48V 100Ah

Dimensions



Characteristics Curve



Specifications subject to change without notice.