

Specification

	Model	NE-48D100-NP
	Nominal Voltage	48V
	Nominal Capacity	100Ah
	Energy	4800Wh
	Internal Resistance	≤100mΩ (without BMS)
Electrical Characteristics	Cycle Life	≥2000 cycles
	Design Life	≥10 years @25°C
	Self-Discharge (90 days)	≤5%, @25°C
	Efficiency of Charge	≥98%
	Efficiency of Discharge	≥100% @ 0.2C ≥96% @ 0.5C
	Charge Voltage	57.0V±0.5V
Charge	Charge Mode	0.2C to 55.0V, then 55.0V charge current to 0.02C (CC/CV)
	Max. Charge Current	100A
	Charge Cut-off Voltage	57V±0.2V
Discharge	Max. Continuous Discharge Current	100A
	Discharge Cut-off Voltage	42.5V±0.2V
Environmental	Widest temperature range	-20°C~60°C
	Optimum Operation Temperature	5°C~45°C
	Storage Temperature	-20°C~55°C ≤85% relative Humidity
	Water Dust Resistance	IP20
	Method	15S Cylindrical LiFePO4 cells
Mechanical	Case	Sheet metal shell
	Dimensions (including the handles)	442*470*156mm
	Weight	~43kg
	Gravimetric Specific energy	≥112Wh/kg

Others	Protocol	2 * RS485
	SOC Light	4 * LED
	LCD Screen	No screen

