

NTSB-B256-PS2560 LITHIUM BATTERY LIFEPO4 100AH 25,6V

NEUTRON

Features of LiFeP04 Battery

Longer cycle life: The cycle life of the battery pack can reach 2,000 times, 10 times that of lead-acid battery, effectively saving the replacement and maintenance cost.

Lighter weight: High energy density, which is only 40% of the weight of lead-acid battery (under same capacity).

High discharge rate: Providing twice the power of lead-acid battery, or even at a higher discharge rate, while maintaining a high energy capacity.

Wider temperature range: -20 to 60°C

Superior safety: Lithium iron phosphate chemicals eliminate the risk of an explosion or fire due to high-impact, overcharging or short-circuit.



Application



Dimensions (mm)



Technical Parameter

Electrical Characteristic	Voltage	25.6V
	Rated capacity	100Ah
	Power	2560WH
	Cycle life	≥2000 times @ 80% DOD @ 35 °C
	Monthly self-discharge	<3%/Month
	Charge efficiency	≥97%
	Discharge efficiency	≥98%
Charging Standard	Charging cut-off voltage	29.2V
	Charging current	50A
	Charging voltage	25.6V
Discharge Standard	Sustained current	100A
	Maximum surge current	120A(3S)
	Discharge cut-off voltage	20.0V
Temperature Characteristic	Charging temperature	0°C to 45°C (32F to 113F) @60 ± 25% relative humidity
	Discharge temperature	-20°C to 60°C (-4F to 140F) @60 ± 25% relative humidity
	Storage temperature	0°C to 40°C (32F to 104F) @60 ± 25% relative humidity
	Waterproof level	IP30
Others	Material system	LiFePO4
	Shell material	ABS
	Dimensions	522*240*218mm
	Weight	20.2kg
	Arrangement mode	8S1P