

NTSB-B128-PS1280 LITHIUM BATTERY LIFEPO4 100AH 12,8V

NEUTRON

Features of LiFePO4 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.



Dimensions (mm)



Application

Solar/wind energy storage

UPS/EPS backup power supply

Golf cart

Technical Parameter

Electrical Characteristic	Voltage	12.8V
	Rated capacity	100Ah
	Power	1280WH
	Cycle life	≥2000times@80%DOD@35℃
	Monthly self-discharge	<3%/Month
	Charge efficiency	≥97%
	Discharge efficiency	≥98%
Charging Standard	Charging cut-off voltage	14.6V
	Charging current	20A
	Charging voltage	14.4V
Discharge Standard	Sustained current	100A
	Maximum surge current	120A(3S)
	Discharge cut-off voltage	10.0V
Temperature Characteristic	Charging temperature	0℃ to 45℃ (32F to 113F) @60 ± 25% relative humidity
	Discharge temperature	-20℃ to 60℃ (-4F to 140F) @60 ± 25% relative humidity
	Storage temperature	0℃ to 40℃ (32F to 104F) @60 ± 25% relative humidity
	Waterproof level	IP30
Others	Material system	LiFePO4
	Shell material	ABS
	Dimensions	329*172*219mm
	Weight	12.9kg
	Optional	Bluetooth, Shell color, Protection level