



Wuhan Vution Lithium Power Technology Co.,Ltd

Lithium Iron Phosphate (LiFePO₄) Starting Battery

VTs-95D31R

12.8V80AH 1024Wh

Features of Starting Battery

lighter weight:

Ultra light weight 1/3 of normal lead-acid battery.

High starting power:

Superb cranking power, cranking current greater than 30C (lead-acid battery 10C).

Performance stable:

The discharge voltage is stable, which leads to engine performance stable, and start the automotive more easy.

Intelligent management control:

Built in BMS to monitor the battery status in real time and protect the battery.

Environmentally friendly:

No pollution, does not contain any acid and heavy metals, such as cadmium and mercury.



Applications

- automotive vehicle

Electrical Characteristics	Chemistry	LiFePO ₄
	Cell Type	Pouch
	Nominal Voltage	12.8V
	Nominal Capacity	80Ah (C5,25°C)
	Energy	1024Wh
	Internal Resistance	≤ 3mΩ
	Cycle Life	≥2000 cycles @1C 100%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96-99% @1C
	Reserve capacity	190 mins
	CCA	1600A
Standard Charge	Charge Voltage	14.6±0.2V
	Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
	Rated Charge Current	80A
	Over Charge Protection Voltage	15.6V
	Over Charge Recovery Voltage	15.2V
Standard Discharge	Constant discharge current	≤80A
	Maximum instantaneous discharge current	≤1600A
	Adaptive temperature	-20℃~ 90 ℃
	Storage Temperature	0 ℃ to 40 ℃ (32Fto 104F) @60±25% Relative Humidity
	Over Discharge Protection Voltage	8.0V
	Over Discharge Recovery Voltage	9.2V
	Self Discharge Rate	≤30uA
	Water Dust Resistance	IP56
	BMS	300A
	Plastic Case	ABS
	Dimensions (in./mm.)	305*172*203*224mm
	Weight (lbs./kg.)	10kg(22lbs)
	Terminal	L+R-
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