

Introduction

- ▶ V-LFP51.2V100Ah is a new type of battery developed by Vision. It is suitable for the installation of 19-inch cabinets.
- ▶ V-LFP51.2V100Ah has high-energy density, redundant safety design, long life, light weight, easy installation, maintenance free, remote monitoring, etc.
- □ RS485 and CAN communication output for monitoring
- □ Built-in BMS with Charging current limitation
- □ Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
- □ State of charge and state of health indication
- □ Built-in battery control for efficient operation
- □ Internal cell balancing
- □ Maintenance free



Scenario

Household energy storage system can meet the stable demand of household electricity consumption, and at the same time, it can reduce the cost of electricity consumption and improve the self-use rate of photovoltaic power generation by using the peak-valley price difference, which is the best choice for household electricity consumption scenarios.

- New photovoltaic energy storage hybrid system
- Photovoltaic configuration energy storage
- Household off-grid energy storage system
- Household emergency standby power supply
- Emergency backup scenario

Item		V-LFP51.2V100Ah
General parameter	Nominal voltage	51.2V
	Nominal capacity(25°C,0.5C)	100Ah
	Nominal energy (25°C,0.5C)	5120Wh
	Weight	~46Kg
	Cell positive material	LiFePO4
	Combination mode	16S1P
	Dimensions (W * D * H)	442mm*480mm*177mm
	Communication interface	RS485; CAN;2 dry contacts
	IP rating	IP20
	Shell material	Steel plate baking varnish
	Cycle life(0.5C, 25°C)	4000 Cycles @80% DOD
	Design life(25°C)	15 years
	LED Display	Alarm/Run/SOC
Electrical parameter	Operating voltage	43.2V-57.6V
	Maximum charging current (25 °C)	100A
	Maximum discharging current (25 °C)	100A
	Standard charging current (25 °C)	50A
	Standard discharging current (25 °C)	50A
	Recommended charging voltage	57.6V
	Discharge cut-off voltage	43.2V
	Battery input protection	BMS
	Efficiency	> 98%
	Self discharge (25 °C)	Less than 5% after 90 days storage
	Internal resistance	< 20mΩ
Environment	Maximum number of parallels	16
	Protection function	Overvoltage protection, overcurrent protection, low-voltage protection, over temperature protection, low temperature protection, reverse connection protection, short circuit protection
	Charging temperature	0~55°C
	Discharging temperature	-20~55°C
	Storage temperature	-20°C~50°C
Compatible Protocol	Relative humidity	5%~95%(non condensing)
		Growatt/Voltronic/Goodwe/MUST/SMA/Victron/Luxpowertek/SRNE/Deye etc

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