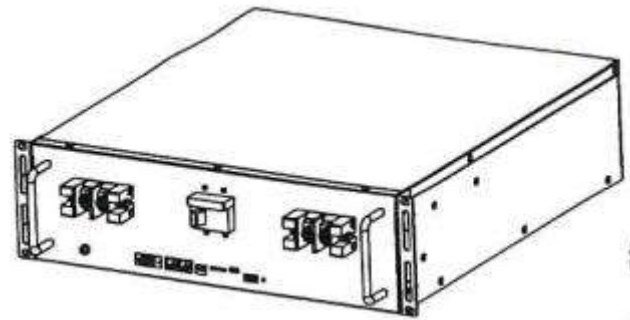


Introduction

- ▶ V-LFP48100 is a new type of intelligent battery pack developed by Vision. It is suitable for the installation of 19-inch cabinets.
 - ▶ V-LFP48100 has high-energy density, redundant safety design, long life, light weight, easy installation, maintenance free, remote monitoring, etc.
- · RS485 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

- Wireless access network base station/cabinet
- Renewable energy system
- Data center machine room
- Core network center machine room
- Telecom office room

Item		V-LFP48100
General parameter	Nominal voltage	48V
	Nominal capacity(25°C,0.5C)	100Ah
	Nominal energy (25°C,0.5C)	4800Wh
	Weight	40.5±1Kg
	Cell positive material	LiFePO4
	Combination mode	15S1P
	Dimensions (W * D * H)	440mm*480mm*133mm
	Communication interface	RS485; 2 dry contacts
	IP rating	IP20
	Shell material	Steel plate baking varnish
	Cycle life(0.5C, 25°C)	6000 Cycles @80% DOD
	Design life(25°C)	15 years
	LED Display	Alarm/Run/SOC
Electrical parameter	Operating voltage	42V-54V
	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	54V
	Discharge cut-off voltage	42V
	Battery input protection	BMS
	Efficiency	> 98%
	Self discharge (25 °C)	Less than 5% after 90 days storage
	Internal resistance	< 20mΩ
	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
Environment	Charging temperature	0~55°C
	Discharging temperature	-20~55°C
	Storage temperature	-20°C~50°C
	Relative humidity	5%~95%(non condensing)

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