

## 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
<b>General parameter</b>	Nominal voltage	48V
	Nominal capacity(25°C,0.5C)	100Ah
	Nominal energy (25°C,0.5C)	4800Wh
	Weight	~42.3Kg
	Cell positive material	LiFePO4
	Combination mode	15S1P
	Dimensions (W * D * H)	442mm*480mm*140mm
	Communication interface	RS485
	IP rating	IP20
	Shell material	Steel plate baking varnish
	Cycle life(0.5C, 25°C)	4000 Cycle @80% DOD
	Design life(25°C)	15 years
	LED Display	Alarm/Run/SOC
	<b>Electrical parameter</b>	Operating voltage
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		< 40mΩ
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
<b>Environment</b>		Charging temperature
	Discharging temperature	-20~60°C
	Storage temperature	-20°C~55°C
	Relative humidity	5%~95%(non condensing)
<b>Display(optional)</b>	LCD Display	

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