

# 48V Standard Series

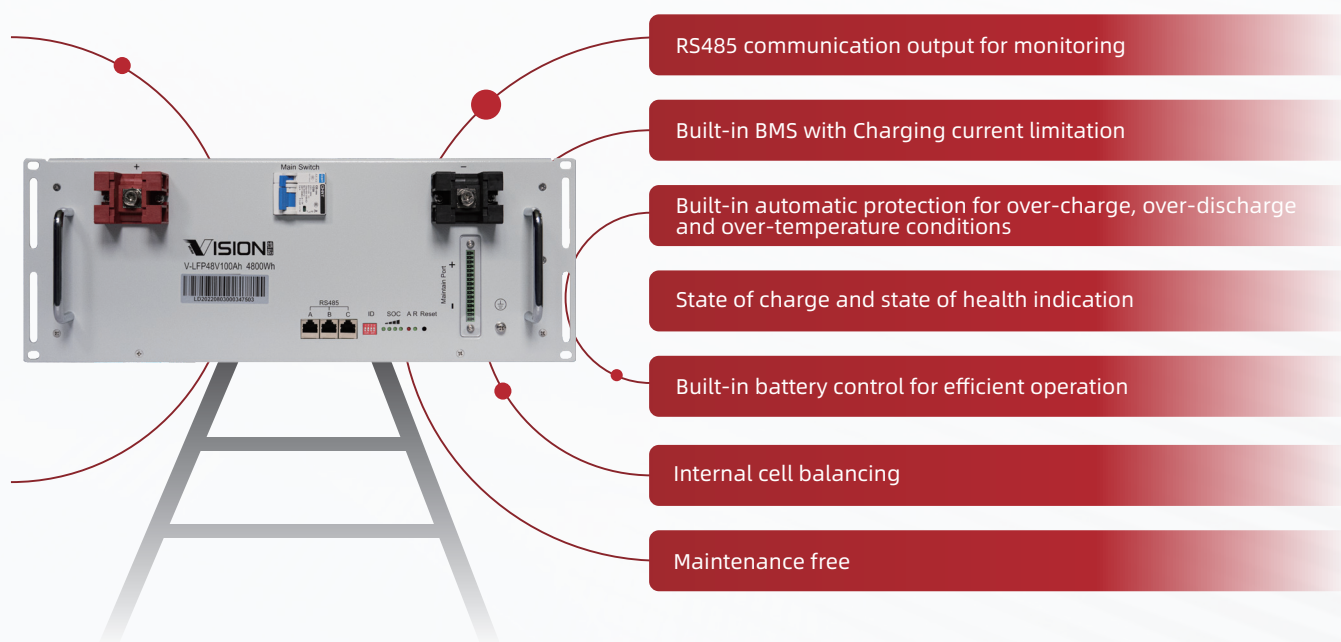
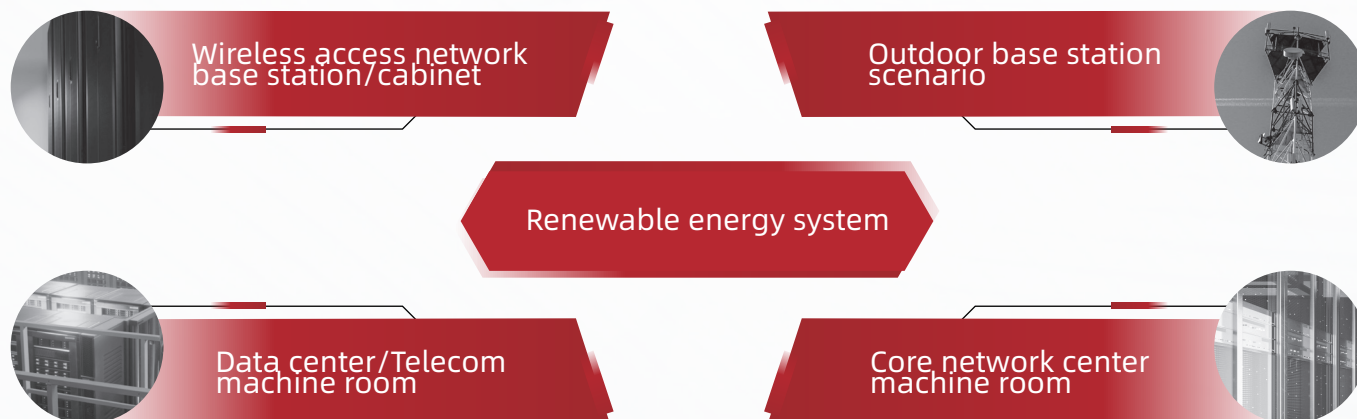


## Introduction

- ▶ V-LFP48 are a new type of intelligent battery pack developed by Vision. It is suitable for the installation of 19-inch cabinets.
- ▶ V-LFP48 has high-energy density, redundant safety design, long life, light weight, easy installation, maintenance free, remote monitoring, etc.



## Scenario



Item	V-LFP48100	V-LFP48150	V-LFP48200	
General parameter	Nominal voltage	48V	48V	48V
	Nominal capacity(25°C,0.5C)	100Ah	150Ah	200Ah
	Nominal energy (25°C,0.5C)	4800Wh	7200Wh	9600Wh
	Weight	~40Kg	~58Kg	~75Kg
	Cell positive material	LiFePO4	LiFePO4	LiFePO4
	IP rating	IP20	IP20	IP20
	Dimensions (W * D* H) mm	442*480*133	442*540*192	442*550*222
	Communication interface	RS485;2 dry contacts		
	Cycle life(0.5C, 25°C)	4000 @80% DOD		
	Design life(25°C)	15 years	15 years	15 years
	LED Display	Alarm/RUN/SOC		
	Optional function	Gyroscope*, GPS anti-theft *, heating film *, (Fire extinguisher) Fire module*		
Electrical parameter	Operating voltage	42V-54V		
	Maximum charging current (25 °C)	100A	100A	100A
	Maximum discharging current (25 °C)	100A	100A	100A
	Standard charging current (25 °C)	50A	50A	50A
	charging current (25 °C)	50A	50A	50A
	Recommended charging voltage	52.5~54V	52.5~54V	52.5~54V
	Discharge cut-off voltage	42V	42V	42V
	Battery input protection	BMS	BMS	BMS
	Efficiency	>98%	>98%	>98%
	Self discharge (25 °C)	Less than 5% after 90 days storage		
	Internal resistance	<40mΩ	<40mΩ	<40mΩ
	Maximum number of parallels	16	16	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	0~60°C, -40~60°C(Optional heating film)		
	Discharging temperature	-20~60°C	-20~60°C	-20~60°C
	Storage temperature	-10°C~45°C	-10°C~45°C	-10°C~45°C
	Relative humidity	5%~95%(non condensing)		