

### Overview

Vision V-LFP48V20Ah lithium iron phosphate battery system serves for telecom and energy storage system with perfect compatibility and long cycle life

### Features

- Built-in BMS with over-charge, over-discharge, over-temperature, over-current protection etc, compatible with standard telecom and energy storage system
- SOC and SOH indication
- RS485 communication port
- Fast charging, charging rate available
- Good high temperature performance

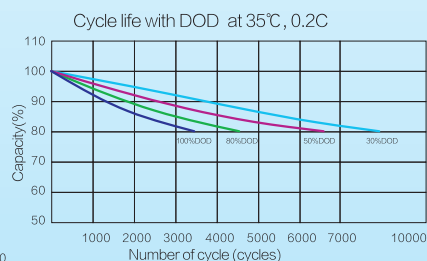
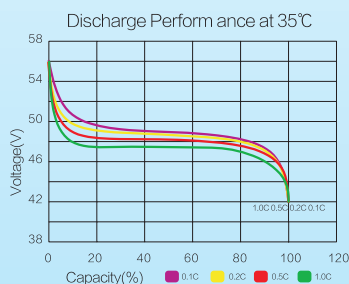
### Battery Panel



- 1、communication interface(DB9-RS485)
- 2、communication interface(RJ45-RS485)
- 3、address number(ID)
- 4、battery capacity(SOC)
- 5、alarm light(ALM)
- 6、run light(RUN)
- 7、dry contact(DO)
- 8、Reset system(Reset)
- 9、switch(ON/OFF)
- 10、Earthing terminal

### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (35° C , 0.2C)	≥20
Mechanical characteristics	
Weight (approximate)/Kg	12.2±0.3
Dimension L*W*H /mm	442*285*88mm
Terminal	M6
Electrical characteristics	
Voltage window/V	42 to 54
Float charge voltage/V	51.8
Max. continue charge current/A	10
Max. continue discharge current/A	20
Max. Pulse discharge current/A	25A for 30S
Discharging Cut-off Voltage/V	42
Operating conditions	
Cycle life(+35°C 0.2C 80%DOD)	>4500 Cycles
Operating temperature	Discharge -20°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UN38.3



V-LFP48V20AH				
Discharge constant current(Amperes at 77° F,35°C)				
Eon Point Volts/Cell	0.1C	0.2C	0.5C	1C
Time	Hours			
46.5	9.85	4.90	1.96	0.81
45.0	10.03	5.00	2.03	0.98
43.5	10.15	5.06	2.06	1.00
42.0	10.23	5.10	2.08	1.03

