

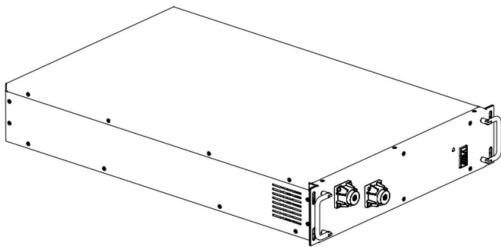
Overview

Vision Technology provides safe LiFePO4 battery solutions for UPS and Energy storage system. This battery system serves for UPS and Energy storage system with perfect compatibility and safe long cycle life.

Features

- Interl cell balancing ,Passive equalization , the maximum equalization current up to 200mA;
- High-precision cell voltage and temperature acquisition:±3mv,±1C;
- Automatic circulation control and automatic, easy to realize parallel machine use;
- Fire extinguision device in the module, 7*24H all-weather fire;
- IBB integrated bus design in the module realizes the cell string without screws and cables;
- Full state management, 100% real-time cell management and functional device control;
- High-precision leakage detection to prevent insulation failure and ensure system reliability.

Module Preview



Module 51.2V50Ah

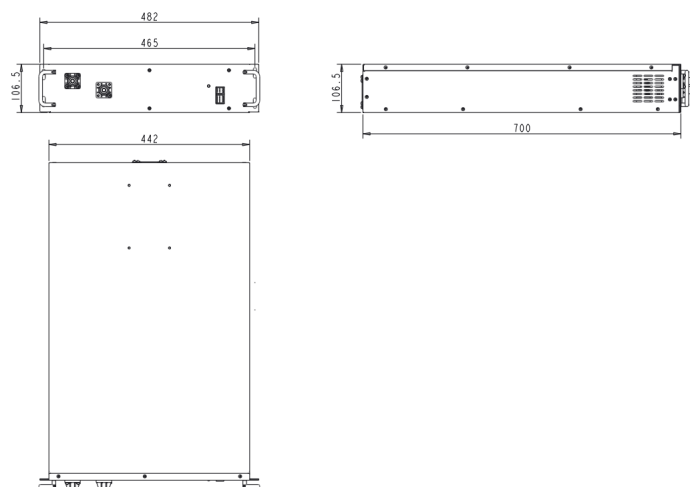
Performance Data

Time(min)	5	6	7	10	15
Constant Power(kw)	189	189	162	115	82
Constant Current(A)	440	440	370	255	180

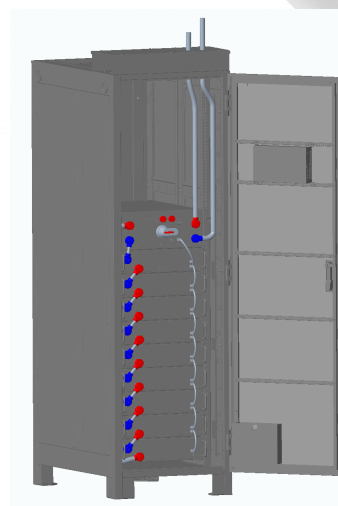
Rack Specification

Voltage Range(V)	403.2~496.8
Cell	3.2V50Ah
Series & Parallels	144S1P
Rated Voltage(V)	460.8
Rated Capacity(Ah)	50
Rated Energy(KWh)	23.04
Recommended Charging Current(A)	10~25
Discharge cut-off Voltage(V)	403.2
Charge Voltage(V)	489.6 ~ 496.8
Cycle Life(@25°C, 0.5C/0.5C,100%DOD)	≥2000
Short-circuit Current(< 10ms)	Approx.8500
System Dimension(W* D* H)	(600*1000*2000) mm
Total Weight(Kg)	Approx. 560
Internal Resistance Fully Charged@ 25°C	≤54mOhms
Thermal Management	Fan Cooling
Charge Temperature	0 ~ 50 °C
Discharge Temperature	-20 ~ 65°C
Operating Humidity	< 95%R.H.
Communication	CAN/RS485/TCP
System Parallels	≤15(GBMS)
Dry Contact	3 outputs, 1 input
Design life	15 years

Module size



Rack

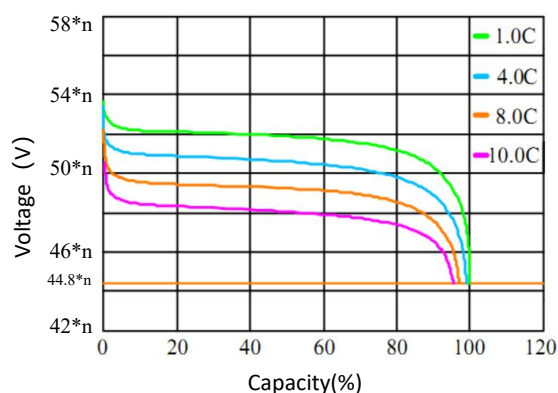


Rack TPH180(S)

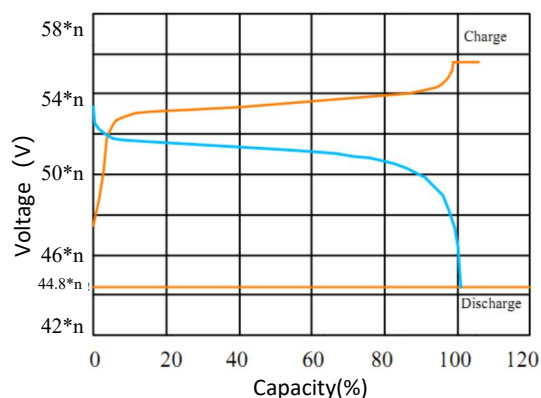
TPH180S-with LCD TPH180-without LCD

Characteristics Curve

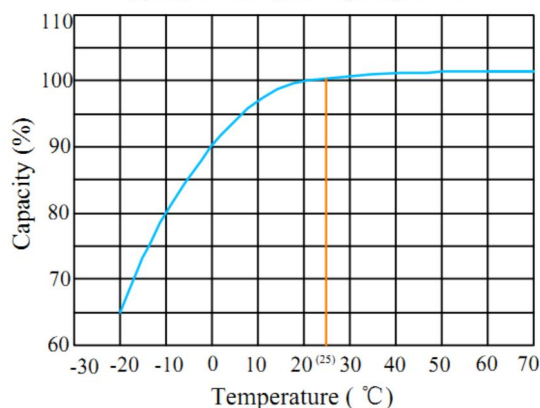
Discharge Performance at 25 °C
(n is the number of modules)



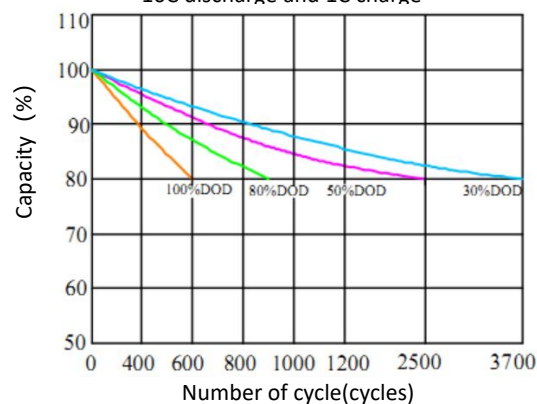
Charge and Discharge at 25 °C, 0.5C
(n is the number of modules)



Temperature effects on capacity at 0.5C



Cycle life with DOD at 25°C
10C discharge and 1C charge



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Call +86-755 6685 1118

Fax +86-755 6685 0678

E-Mail sales@vision-batt.com

Website www.vision-batt.com



WeChat official account