

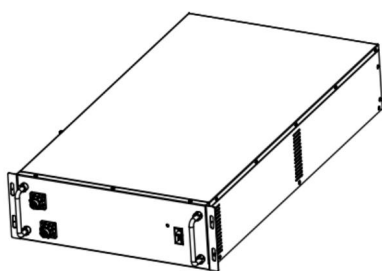
Overview

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

- Internal 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 51.2V200Ah

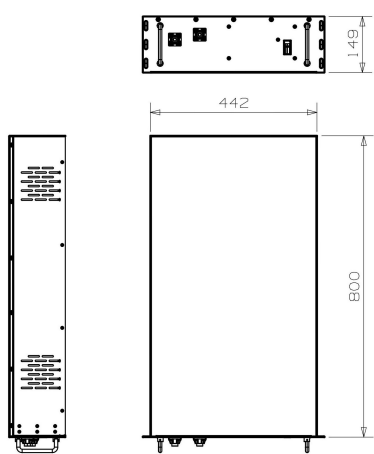
Performance Data

Time(h)	1	1.5	2	3	4
Constant Power(kw)	48	32	24.5	16.25	12.25
Constant Current(A)	200	150	100	75	70

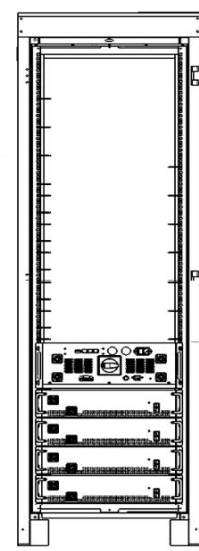
Rack Specification

Voltage Range(V)	179.2~220.8
Cell	3.2V100Ah
Series & Parallels	64S2P
Rated Voltage(V)	204.8
Rated Capacity(Ah)	200
Rated Energy(KWh)	40.96
Recommended Charging Current(A)	40~100
Discharge cut-off Voltage(V)	179.2
Charge Voltage(V)	217.6 ~ 220.8
Cycle Life(@25°C ,0.5C/0.5C,100%DOD)	> 2000
Short-circuit Current(< 10ms)	Approx.7000
System Dimension(W* D* H)	(600*1000*2000) mm
Total Weight(Kg)	Approx. 440
Internal Resistance Fully Charged@ 25°C	≤40 mΩ
Thermal Management	Air 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

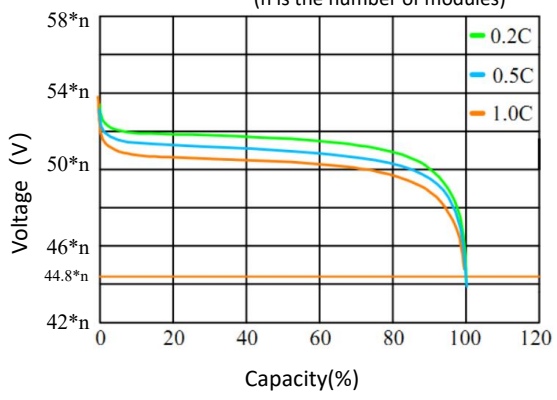


Rack TPL40(S)

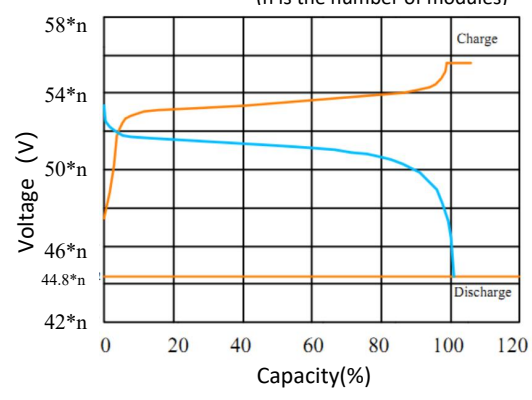
TPL40(S)- with LCD TPL40- without LCD

Characteristics Curve

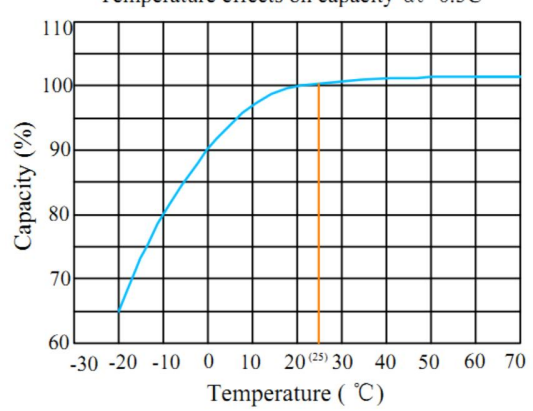
Discharge Performance at 25 °C
(n is the number of modules)



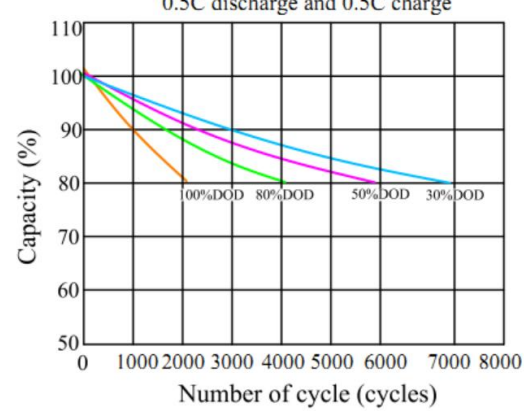
Charge and Discharge at 25 °C, 0.5C
(n is the number of modules)



Temperature effects on capacity at 0.5C



Cycle life with DOD at 25 °C
0.5C discharge and 0.5C charge



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