

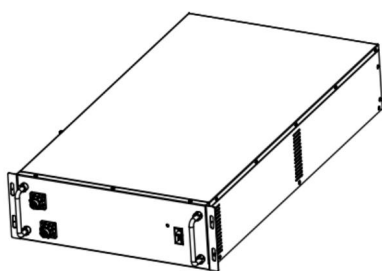
Overview

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: $\pm 3\text{mv}$, $\pm 1\text{C}$;
- 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

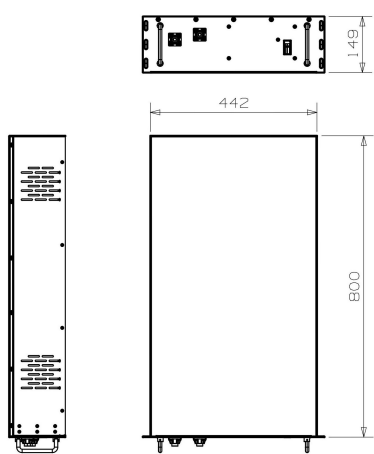
Performance Data

Time(h)	1	1.5	2	3	4
Constant Power(kw)	86.4	57.6	44.1	29.25	22.05
Constant Current(A)	200	150	100	75	70

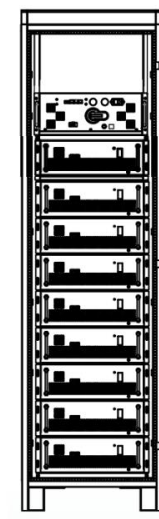
Rack Specification

Voltage Range(V)	403.2~496.8
Cell	3.2V100Ah
Series & Parallels	144S2P
Rated Voltage(V)	460.8
Rated Capacity(Ah)	200
Rated Energy(KWh)	92.16
Recommended Charging Current(A)	40~100
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)	7500
System Dimension(W* D* H)	(600*1000*2000) mm
Total Weight(Kg)	Approx.900
Internal Resistance Fully Charged@ 25 °C	≤62 mOhms
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

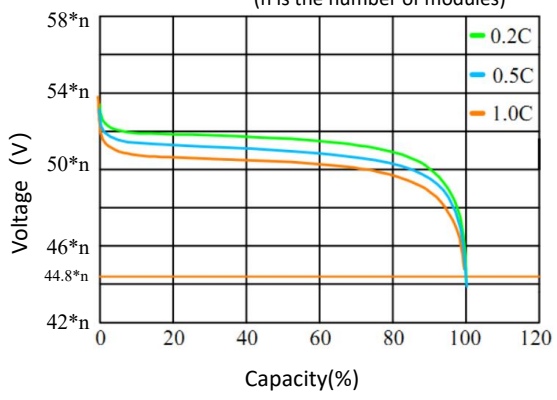


Rack TPL90(S)

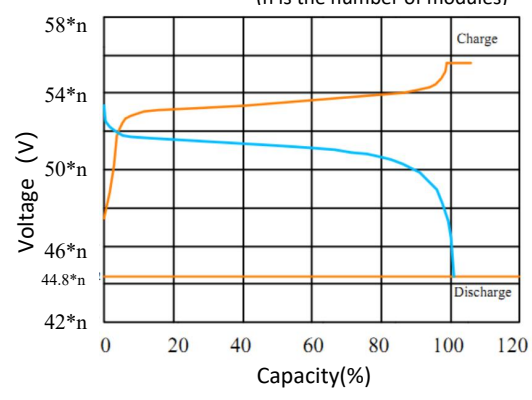
TPL90(S)- with LCD TPL90- without LCD

Characteristics Curve

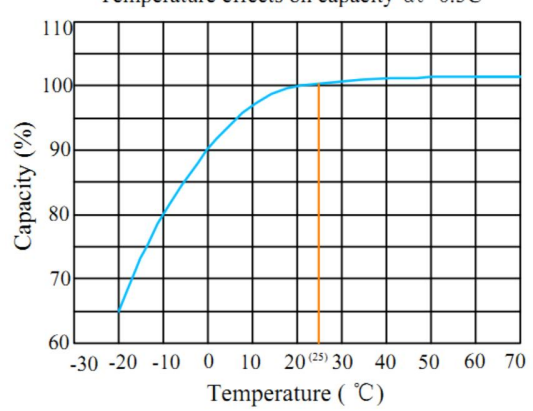
Discharge Performance at 25 °C
(n is the number of modules)



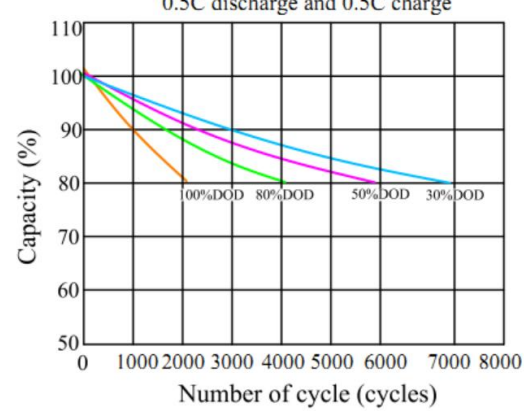
Charge and Discharge at 25 °C, 0.5C
(n is the number of modules)



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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