

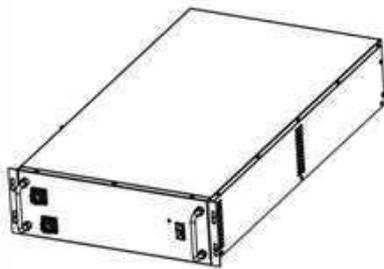
## Overview

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

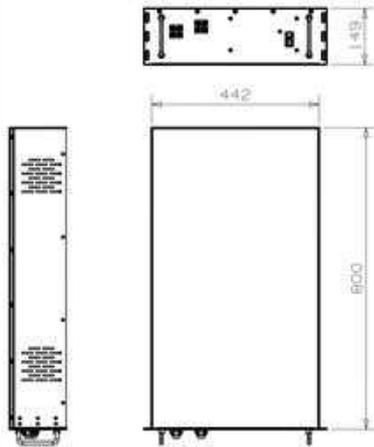
## Performance Data

Time(h)	1	1.5	2	3	4
Constant Power(kw)	115.2	76.8	58.8	39	29.4
Constant Current(A)	200	130	100	65	50

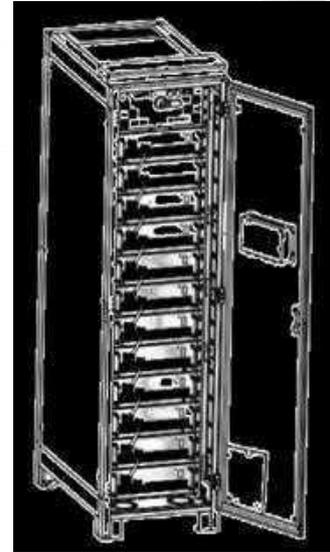
## Rack Specification

Voltage Range(V)	537.6~662.4
Cell	3.2V100Ah
Series & Parallels	192S2P
Rated Voltage(V)	614.4
Rated Capacity(Ah)	200
Rated Energy(KWh)	122.8
Recommended Charging Current(A)	40~100
Discharge cut-off Voltage(V)	537.6
Charge Voltage(V)	652.8 ~ 662.4
Cycle Life(@25°C ,0.5C/0.5C,100%DOD)	> 2000
Short-circuit Current(< 10ms)	7800
System Dimension(W* D* H)	(600*1000*2300) mm
Total Weight(Kg)	Approx. 1300
Internal Resistance Full Charged@ 25C	
Thermal Management	
Charge Temperature	0~45°C
Discharge Temp	-20~55°C
Operating Efficiency	< 95%R
Communication	CAN/RS485/TCP
Self-discharge	≤ 3(BMS)
Contact	output
Design	

## Module size



## Rack

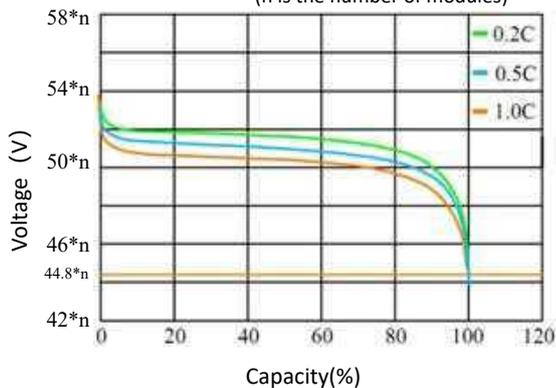


Rack TPL120(S)

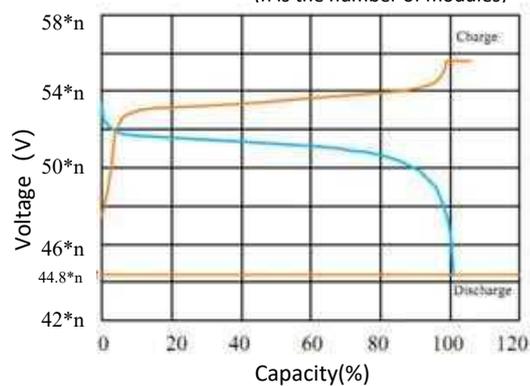
TPL120(S)-with LCD TPL120-without LCD

## Characteristics Curve

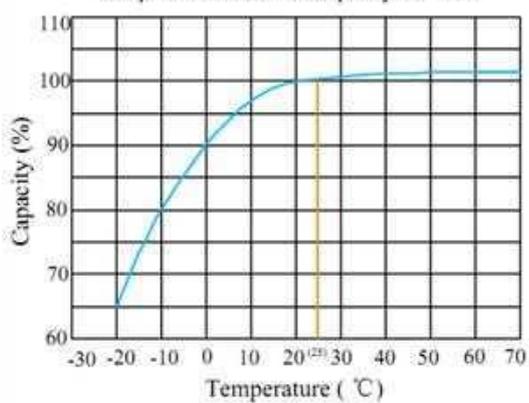
Discharge Performance at 25 °C  
(n is the number of modules)



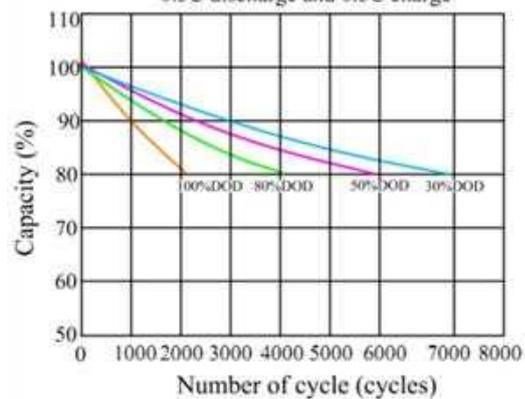
Charge and Discharge at 25 °C, 0.5C  
(n is the number of modules)



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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## 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 51.2V100AH

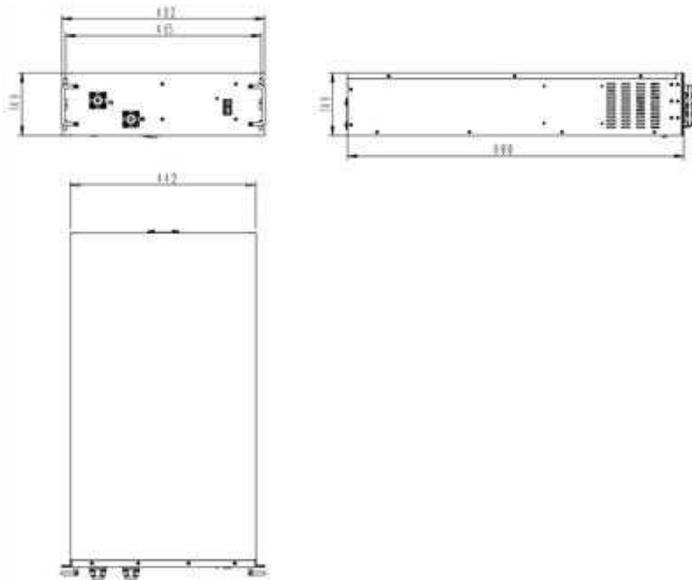
## Performance Data

Time(min)	10	15	30		
Constant Power(kw)	300	240	121	1	61
Constant Current(A)	510	400	200	133	100

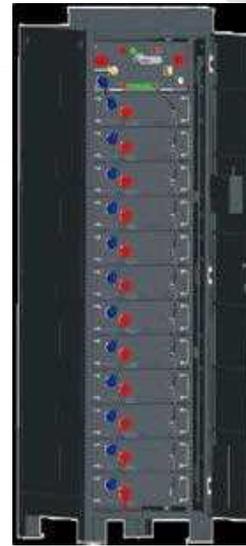
## Rack Specification

Voltage Range(V)	537.6~662.4
Cell	3.2V50Ah
Series & Parallels	192S2P
Rated Voltage(V)	614.4
Rated Capacity(Ah)	100
Rated Energy(KWh)	61.44
Recommended Charging Current(A)	20~50
Discharge cut-off Voltage(V)	537.6
Charge Voltage(V)	652.8~ 662.4
Cycle Life(@25°C ,0.5C/2C,100%DOD)	> 2500
Short-circuit Current(< 10ms)	Approx.9000
System Dimension(W* D* H)	(600*1000*2300) mm
Total Weight(Kg)	Approx. 1040
Internal Resistance Fully Charged@ 25°C	≤70 mΩ
Thermal Management	Air Cooling
Charge Temperature	
Discharge Temperature	
Operating Humidity	

## Module size



## Rack

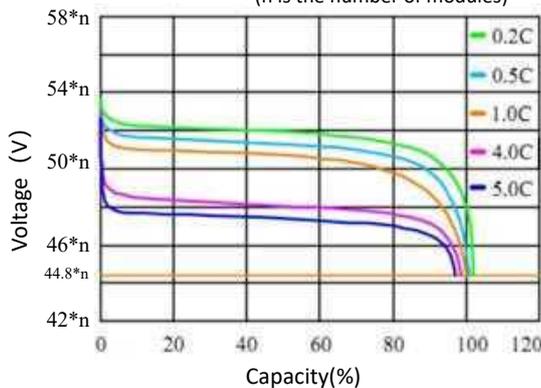


Rack TP240(S)

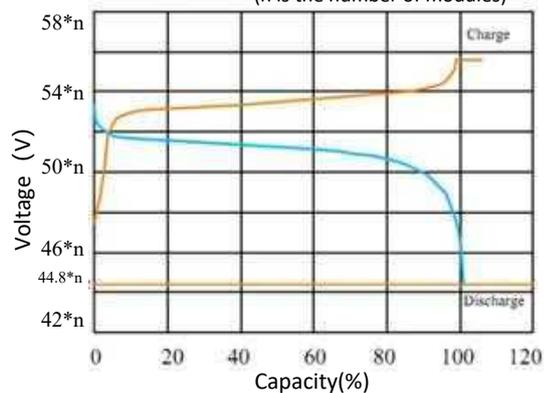
TP240S-with LCD TP240-without LCD

## Characteristics Curve

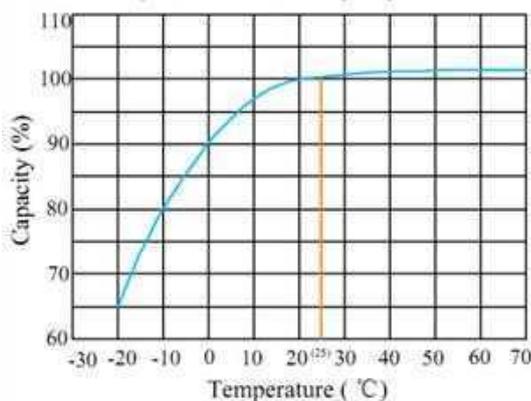
Discharge Performance at 25 °C  
(n is the number of modules)



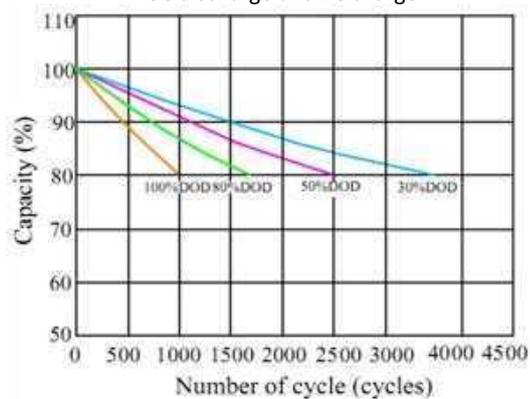
Charge and Discharge at 25 °C,0.5C  
(n is the number of modules)



Temperature effects on capacity at 0.5C



Cycle life with DOD at 25°C  
5C discharge and 1C charge



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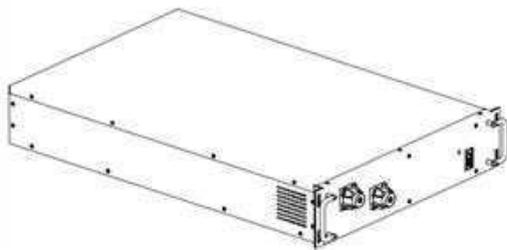
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- High-precision cell voltage and temperature acquisition:  $\pm 3\text{mv}$ ,  $\pm 1\text{C}$ ;
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## Module Preview



Module 51.2V50Ah

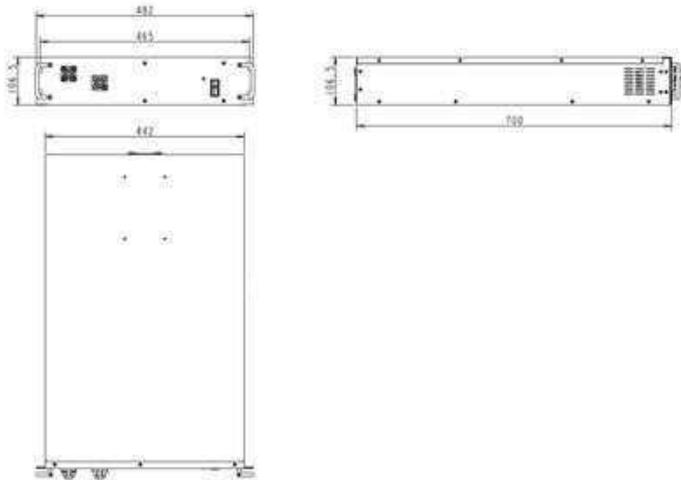
## Performance Data

Time(min)	5	6	7	8	9
Constant Power(kw)	294	294	252	179	128
Constant Current(A)	440	440	370	255	180

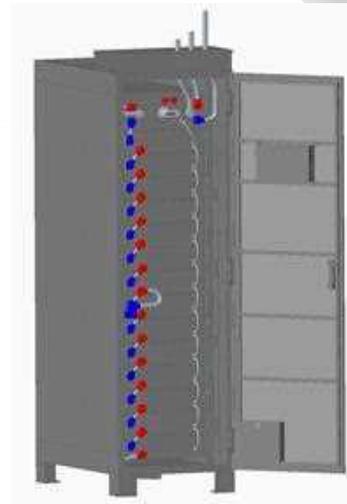
## Rack Specification

Voltage Range(V)	627.2~772.8
Cell	3.2V50Ah
Series & Parallels	224S1P
Rated Voltage(V)	716.8
Rated Capacity(Ah)	50
Rated Energy(KWh)	35.84
Recommended Charging Current(A)	10~25
Discharge cut-off Voltage(V)	627.2
Charge Voltage(V)	761.6 ~ 772.8
Cycle Life(@25°C, 0.5C/0.5C,100%DOD)	$\geq 2000$
Short-circuit Current(< 10ms)	Approx.8500
System Dimension(W* D* H)	(600*1000*2000) mm
Total Weight(Kg)	Approx. 760
Internal Resistance Full Charged@ 25°C	
Thermal Management	
Charge Temperature	0~45°C
Discharge Temperature	-20~55°C
Operating Efficiency	< 95%
Communication	CAN/RS485/RS232
Communication Protocol	≤ 100KBMS
Contact	output input
Design	

## Module size



## Rack

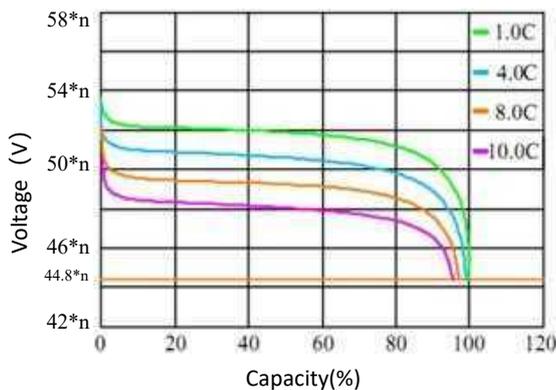


Rack TPH280(S)

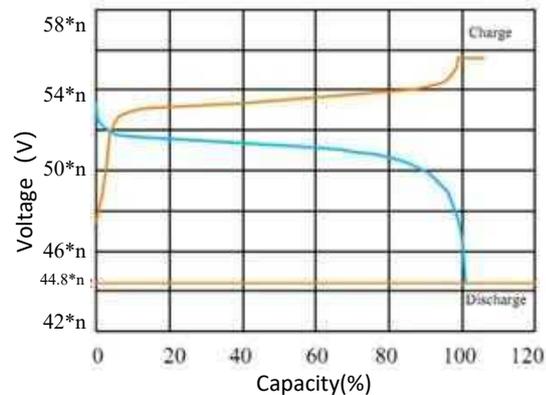
TPH280S-with LCD TPH280-without LCD

## Characteristics Curve

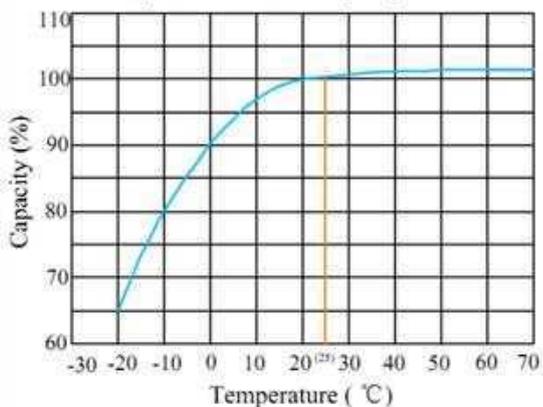
Discharge Performance at 25 °C  
(n is the number of modules)



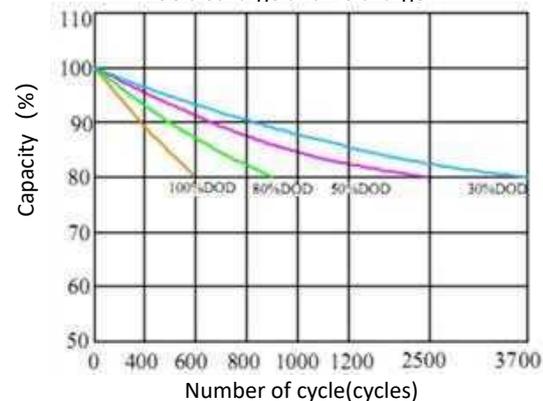
Charge and Discharge at 25 °C, 0.5C  
(n is the number of modules)



Temperature effects on capacity at 0.5C



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



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