

## 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

- Can/RS485 Communication output for monitoring
- Achieve up 32 BMU in cascade communication
- Internal cell balancing ,Passive equalization , the maximum equalization current up to 300mA
- High-precision cell voltage and temperature acquisition:  $\pm 3\text{mv}$ ,  $\pm 1^\circ\text{C}$ ;
- Fan control circuit and interface, realize heat dissipation inside the module

## Module Preview



Module 51.2V20Ah

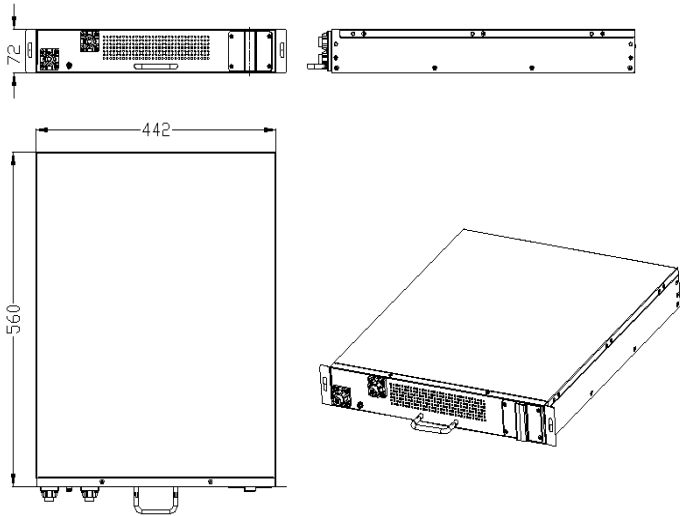
## Performance Data

Time(min)	5	10	15	20	30
Constant Power(kw)	80	44.8	30.5	22.9	15.75
Constant Current(A)	200	120	80	60	40

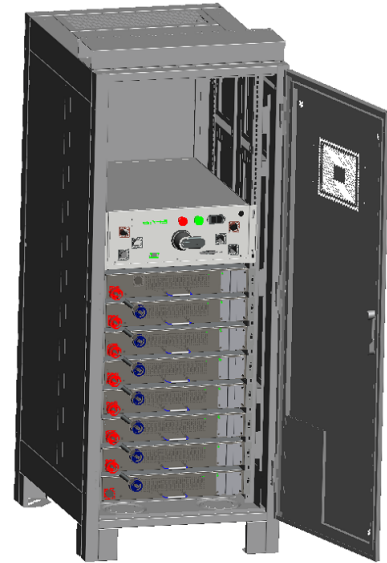
## Rack Specification

<b>Voltage Range(V)</b>	<b>358.4~467.2</b>	
Cell	3.2V20Ah	
Series & Parallels	128S1P	
Rated Voltage(V)	409.6	
Rated Capacity(Ah)	20	
Rated Energy(KWh)	8.19	
Maximum Charge Current(A)	20	
Discharge cut-off voltage(V)	448	
Charge voltage(V)	552 ~ 584	
Cycle life(@25°C,1C/1C,100%DOD)	>2500	
Short-circuit current ( < 10ms)	Approx.4000A	
System Dimension(W* D* H)	(600*800*1500 ) mm	
Total Weight(Kg)	Approx.360	
Internal Resistance Fully Charged@ 25	115mOhms	
Thermal Management	Air cooling	
Operating temperature	charge	0 ~ 50
	discharge	-20 ~ 65
Operating humidity	60 ± 25%R.H.	
Communication	CAN/RS485	
Dry Contact	Y	
System parallels	15	
Screen	optional	

## Module size



## Rack

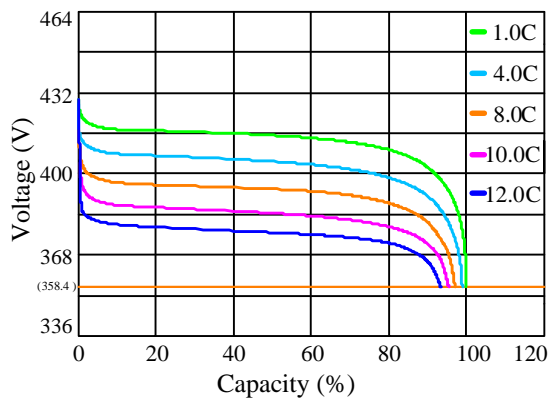


Rack TPH80(S)

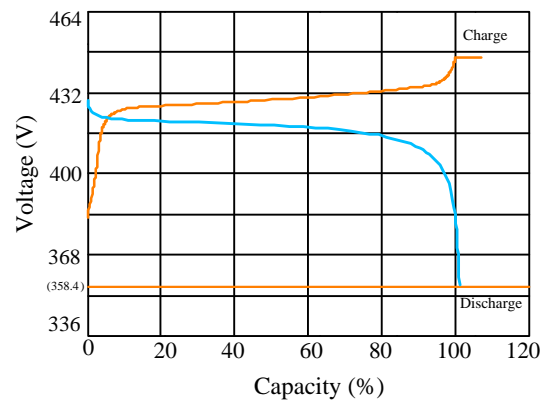
TPH80S-with LCD TPH80-without LCD

## Characteristics Curve

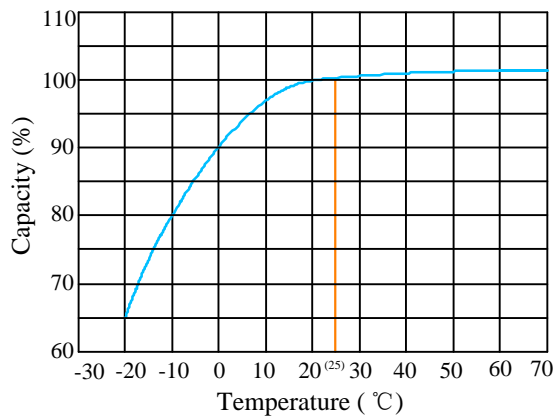
Discharge Performance at 25°C



Charge and Discharge at 25°C, 0.5C



Temperature effects on capacity at 0.5C



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

