

## Overview

Vision Technology provides safe LiFePO<sub>4</sub> 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 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:  $\pm 5\text{mv}$ ,  $\pm 2^\circ\text{C}$ ;
- Fan control circuit and interface, realize heat dissipation inside the module

## Rack Preview

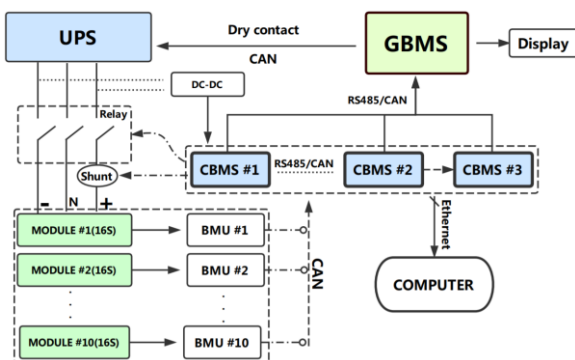


Module 48V100Ah



Rack480V100Ah

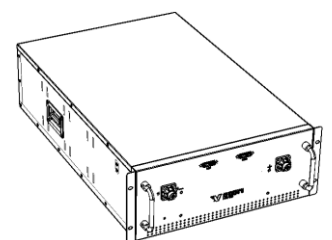
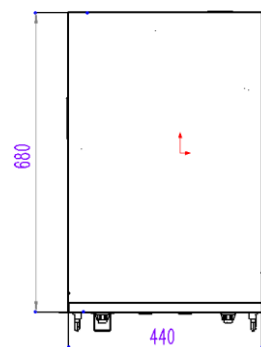
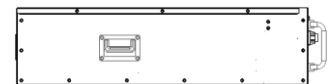
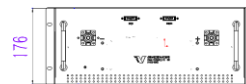
## System Framework



## System Specification

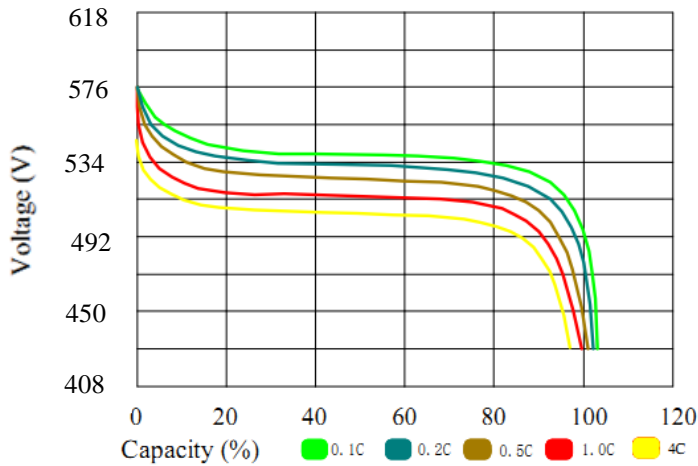
<b>Voltage Range(V)</b>	<b>400~576</b>
Battery model	3.2V50Ah
Rated Voltage(V)	480
Rated Capacity(Ah)	300
Rated Energy(KWh)	144
Maximum Output Power(KVA)	600
Maximum Discharge Current(A)	1500
Maximum Charge Current(A)	300
Backup time(550KVA)	15 min
Operating temperature	-20 ~ 60°C
Rack Dimension(W* D* H)	600*800*2400 mm
System Dimension(W* D* H)	1800*800*2400 mm
Total Weight(Kg)	Approx. 1680
Thermal Management	Air cooling
Operating temperature	-20 ~ 60°C
Certified	CE/ROHS/UN38.3

## Module size

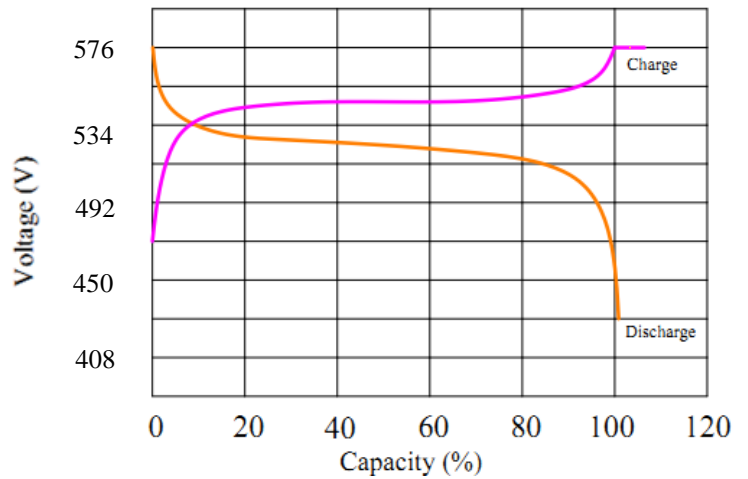


### Characteristics Curve

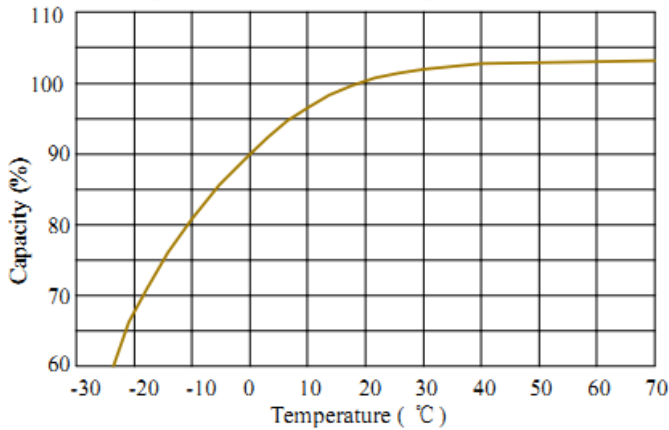
Discharge Perform ance at 25 °C



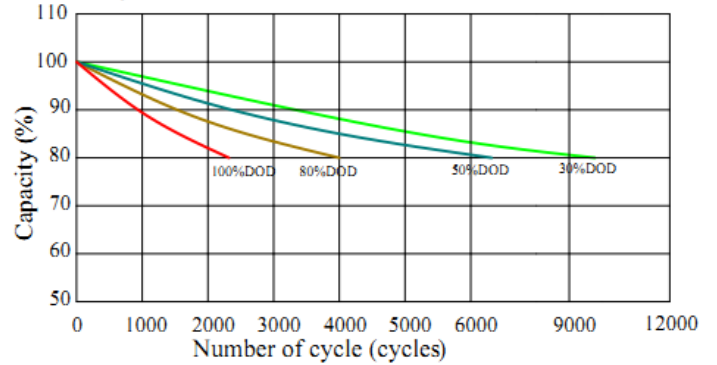
Charge and Discharge at 25 °C , 0.2C



Temperature effect s on capacity at 0.2C



Cycle life with DOD at 25°C , 0.2C



### Module Performance Data

Time	/	10min	15min	30min	1h	2h
Constant Power(kw)	/	/	19.85	9.93	4.96	2.49
Constant Current(A)	/	/	400	200	100	50

### Design graph

