

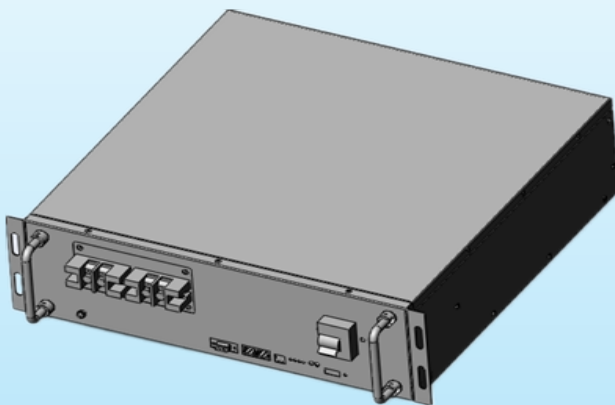
### Overview

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
- Internal cell balancing ,Passive equalization , the maximum equalization current up to 100mA
- 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



51.2V50AH

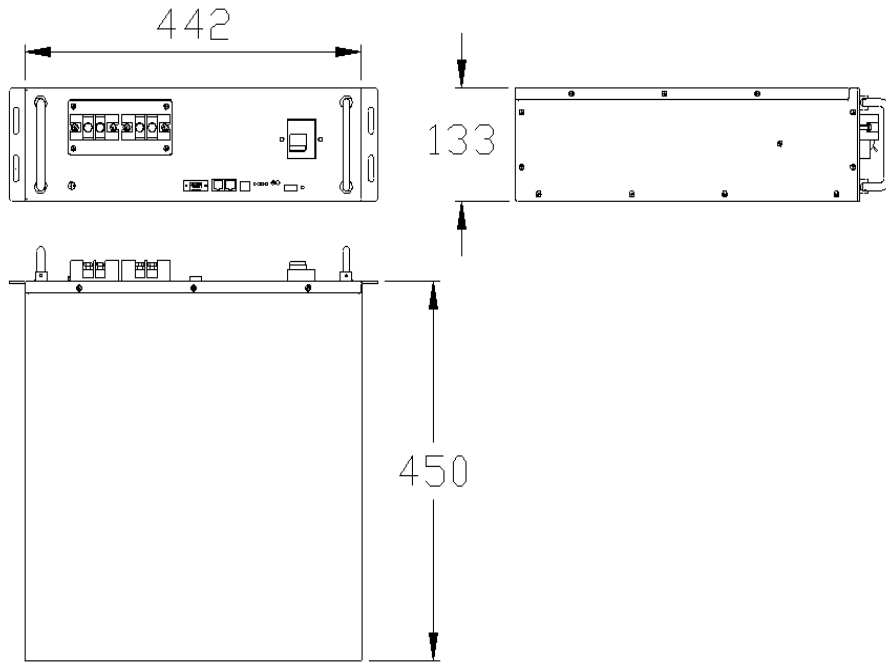
### Performance Data

Time(min)	30	60	90	120	180
Constant Power(kw)	5.12	2.56	1.70	1.28	0.849
Constant Current(A)	100	50	33.3	25	16.6

### Rack Specification

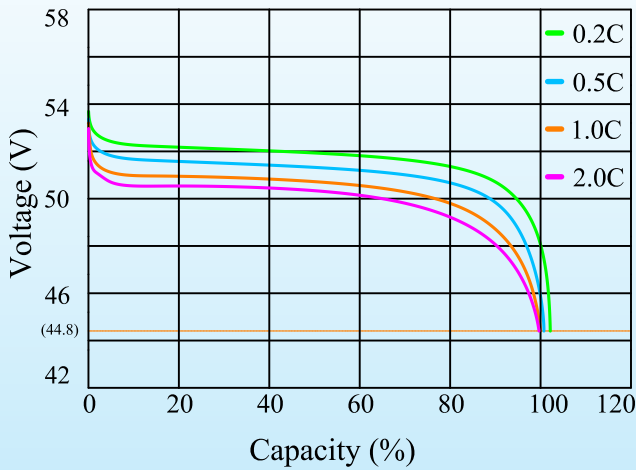
<b>Voltage Range(V)</b>	44.8 ~ 55.2	
Cell	3.2V50Ah	
Series & Parallels	16S1P	
Rated Voltage(V)	51.2	
Rated Capacity(Ah)	50	
Rated Energy(KWh)	2.56	
Maximum Charge Current(A)	50	
Discharge cut-off voltage(V)	44.8	
Charge voltage(V)	54.4 ~ 55.2	
Cycle life(@25°C,0.5C/0.5C,80%DOD)	>2500	
Short-circuit current ( < 10ms)	Approx.2000A	
Dimension(W* D* H)	(442*450*133) mm	
Total Weight(Kg)	Approx.32.5	
Internal Resistance Fully Charged@ 25	25mOhms	
Thermal Management	Nature cooling	
Operating temperature	charge	0 ~ 50
	discharge	-20 ~ 65
Operating humidity	60 ± 25%R.H.	
Communication	CAN/RS485	
Dry Contact	Y	
System Parallels	8	

### Size

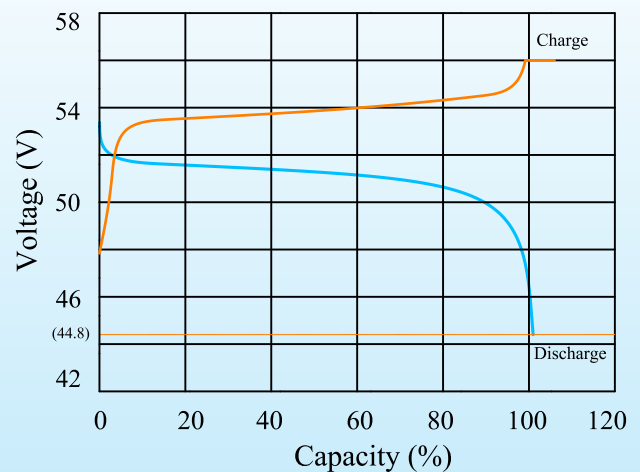


### Characteristics Curve

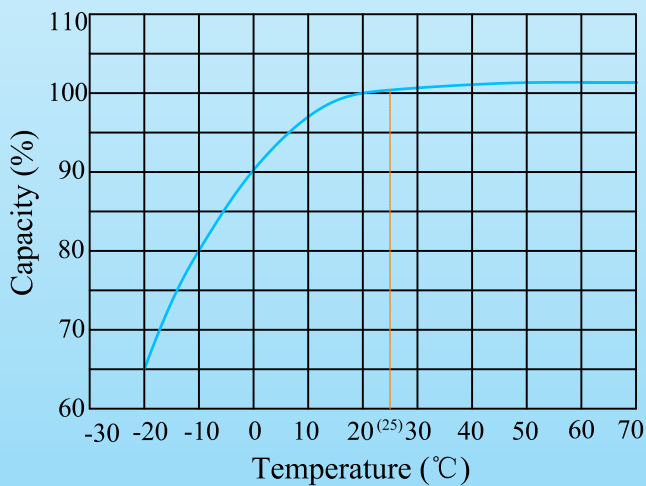
Discharge Performance at 25°C



Charge and Discharge at 25°C, 0.5C



Temperature effects on capacity at 0.5C



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

