

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 51.2V40Ah

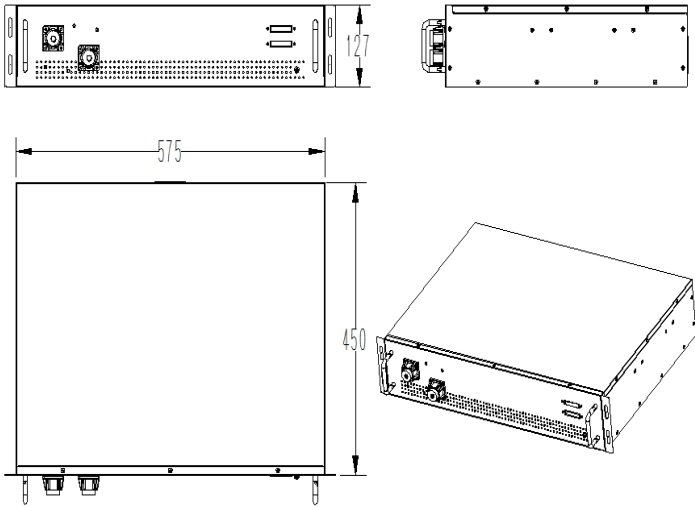
Performance Data

Time(min)	5	10	15	20	30
Constant Power(kw)	160	89.6	61.0	45.8	31.5
Constant Current(A)	400	240	160	120	80

Rack Specification

Voltage Range(V)	358.4~467.2	
Cell	3.2V20Ah	
Series & Parallels	128S2P	
Rated Voltage(V)	409.6	
Rated Capacity(Ah)	40	
Rated Energy(KWh)	16.38	
Maximum Charge Current(A)	40	
Discharge cut-off voltage(V)	358.4	
Charge Voltage(v)	448 ~ 467.2	
Cycle life(@25 °C,1C/1C,100%DOD)	>2500	
Short-circuit current (< 10ms)	Approx.8200A	
System Dimension(W* D* H)	(800*600*2000) mm	
Total Weight(Kg)	Approx.520	
Internal Resistance Fully Charged@ 25	50mOhms	
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

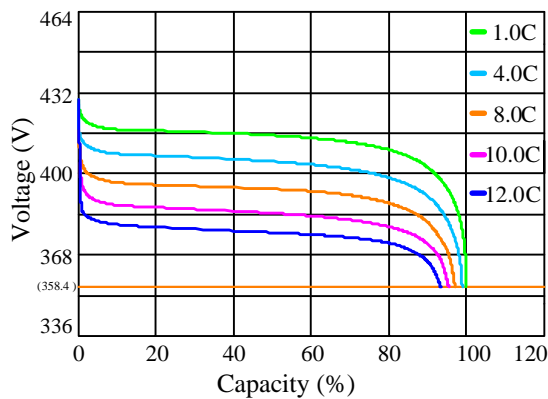


Rack TPH160(S)

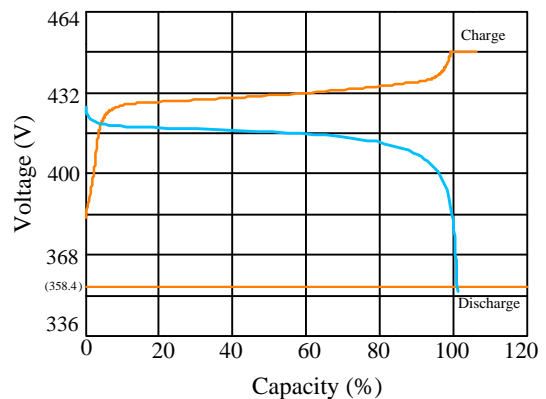
TPH160S-with LCD TPH160-without LCD

Characteristics Curve

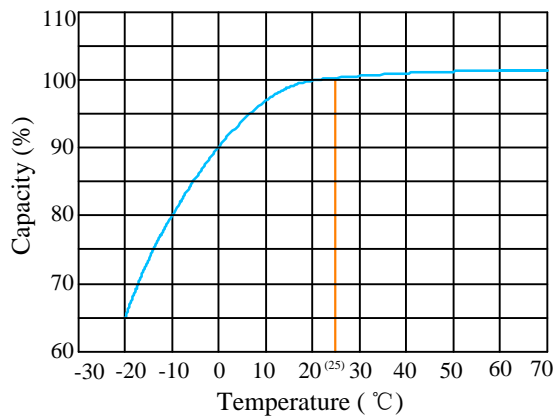
Discharge Performance at 25°C



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

