

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: $\pm 5\text{mv}$, $\pm 1^\circ\text{C}$;
- Fan control circuit and interface, realize heat dissipation inside the module

Rack Preview



Module 51.2V100Ah



Rack 512V100Ah

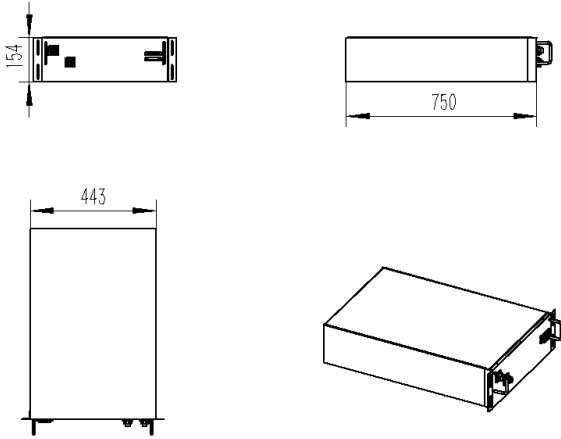
Performance Data

Time(min)	15	30	60	120
Constant Power(kw)	610.2	547.6	305.8	151.7
Constant Current(A)	1250	1200	600	300

System Specification

Voltage Range(V)	400~576
Cell	3.2V50Ah
Series & Parallels	160S12P
Rated Voltage(V)	512
Rated Capacity(Ah)	600
Rated Energy(KWh)	307.2
Maximum Output Power(KW)	610
Maximum Discharge Current(A)	1500
Maximum Charge Current(A)	300
Discharge cut-off voltage(V)	400
Charge input voltage(V)	584
Backup time	30min
Cycle life(@25°C,1C/1C,100%DOD)	>2500
Rack Dimension(W* D* H)	600*1000*2000 mm
System Dimension(W* D* H)	3600*1000*2000 mm
Total Weight(Kg)	Approx.4250
Thermal Management	Air cooling
Operating temperature	-20 ~ 65°C
Operating humidity	60 \pm 25%R.H.
Certified	UL/CE/UN38.3
Communication	CAN/RS485
Dry Contact	optional
System parallels	6
Screen	optional

Module size



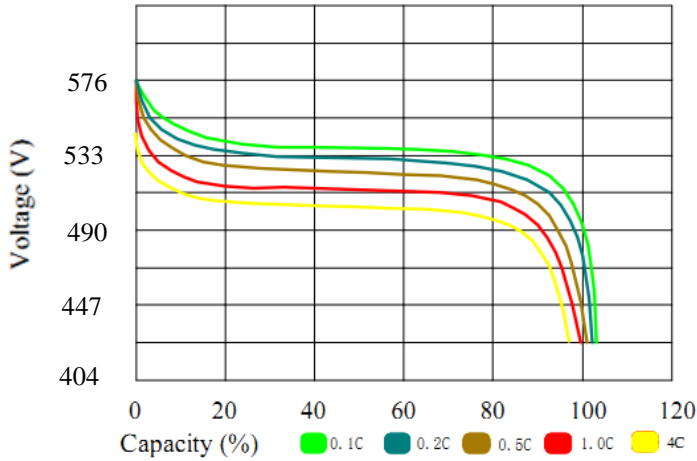
Solution Preview



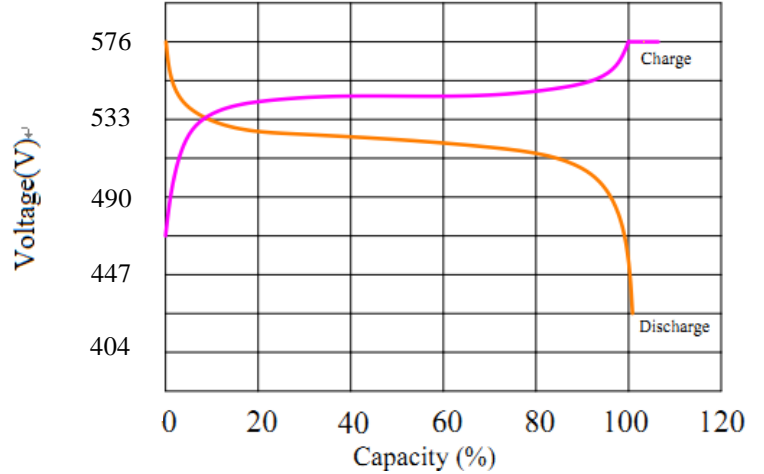
System 512V600Ah

Characteristics Curve

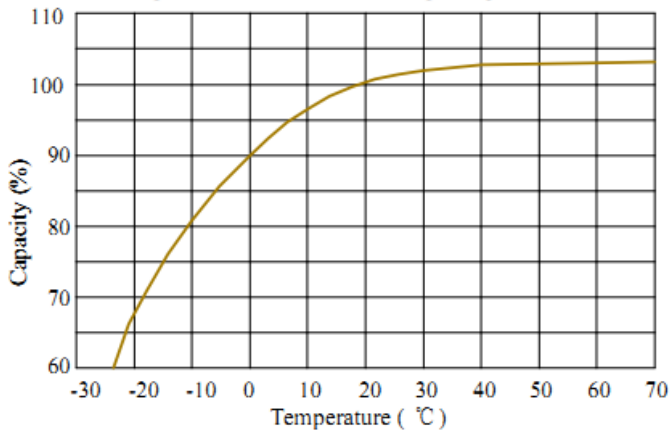
Discharge Performance at 25 °C



Charge and Discharge at 25 °C, 0.2C



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25 °C, 0.2C

