

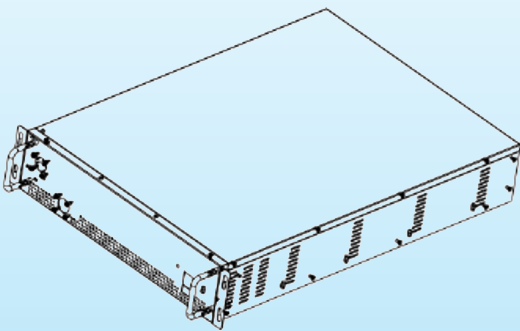
## Overview

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 51.2V100Ah

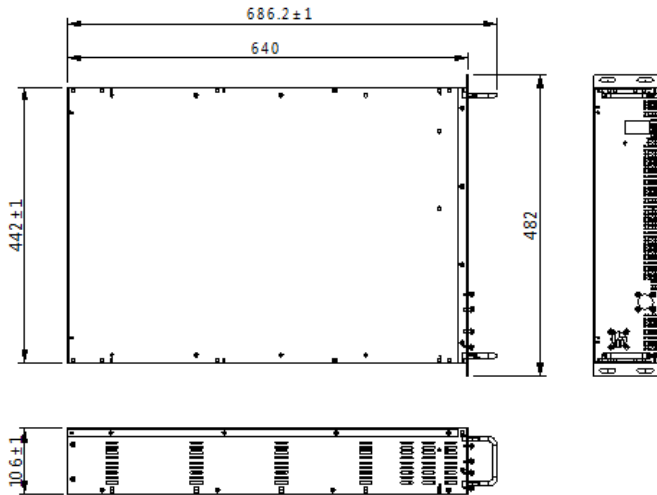
## Performance Data

| Time(h)             | 1     | 2     | 4     | 5     | 10   |
|---------------------|-------|-------|-------|-------|------|
| Constant Power(kw)  | 57.02 | 28.53 | 14.28 | 11.42 | 5.71 |
| Constant Current(A) | 100   | 50    | 25    | 20    | 10   |

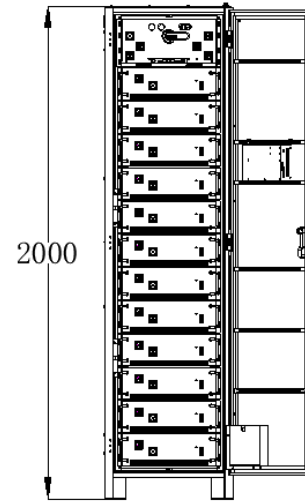
## Rack Specification

|                                       |                     |                |
|---------------------------------------|---------------------|----------------|
| Voltage Range(V)                      | 537.6~662.4         |                |
| Cell                                  | 3.2V100Ah           |                |
| Series & Parallels                    | 192S1P              |                |
| Rated Voltage(V)                      | 614.4               |                |
| Rated Capacity(Ah)                    | 100                 |                |
| Rated Energy(KWh)                     | 61.4                |                |
| Maximum Charge Current(A)             | 50                  |                |
| Discharge cut-off voltage(V)          | 537.6               |                |
| Charge voltage(V)                     | 652.8 ~ 662.4       |                |
| Cycle life(@25°C,0.5C/0.5C,80%DOD)    | >2500               |                |
| Short-circuit current ( < 10ms)       | Approx.7000A        |                |
| System Dimension(W* D* H)             | (600*1000*2000 ) mm |                |
| Total Weight(Kg)                      | Approx.750          |                |
| Internal Resistance Fully Charged@ 25 | 89mOhms             |                |
| 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(GBMS)       |
|                                       |                     | > 15(GBMS+IPC) |
| Screen                                | optional            |                |

## Module size



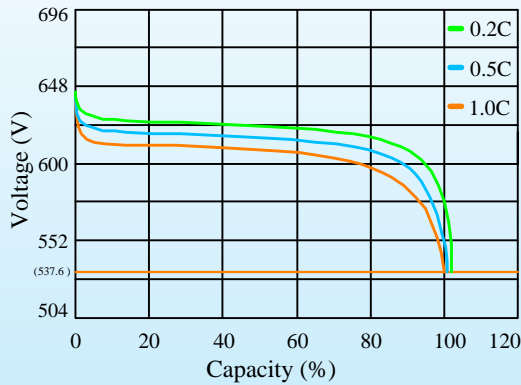
## System



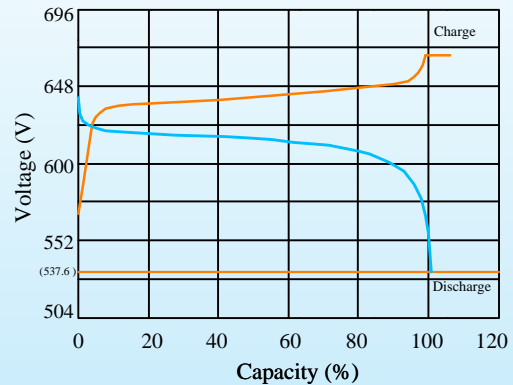
Cabinet TPL60

## Characteristics Curve

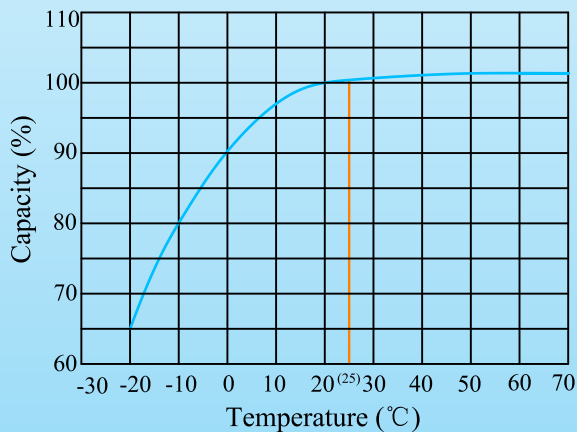
Discharge Performance at 25 °C



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

