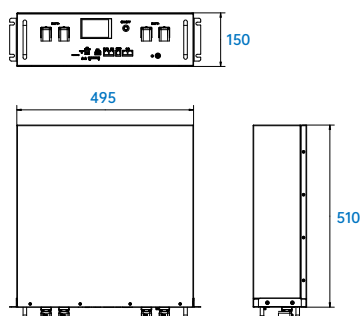


## ► Product Appearance

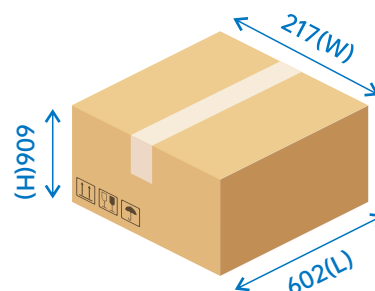


## ► Product Size



Net Weight: 47.8±0.5kg

## ► Packaging Size



Gross Weight: 54.1±0.5kg

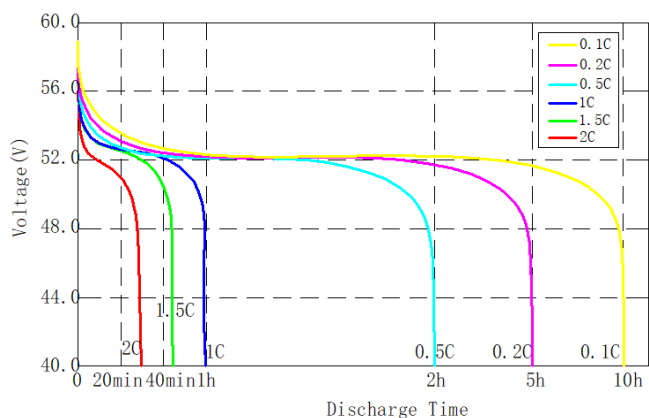
## ► Features

- A grade brand new prismatic LiFePO<sub>4</sub> cells
- > 6000 cycles @90% DOD(25°C, 0.5C )
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LCD display screen to monitor cell SOC, voltage, temperature and alarm status
- Metal Case, excellent heat dissipation, more safety
- Rack-mounted style
- Certificate: UN38.3, MSDS, IEC62619
- Max 8 battery packs can be connected in parallel

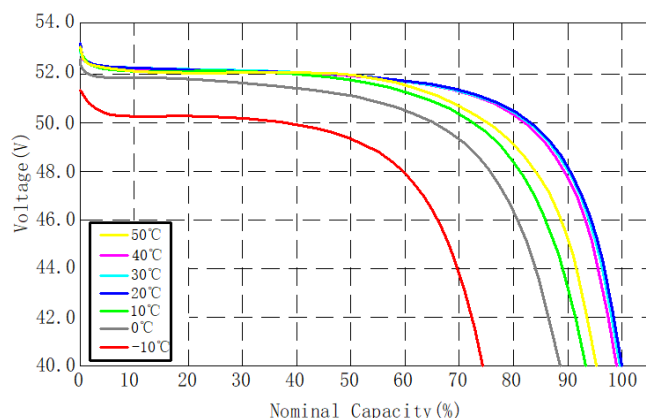
## ► Technical Specifications

| Model                          |  | LFP5.12KWH51.2V-P20R4                    |
|--------------------------------|--|------------------------------------------|
| <b>Electrical Parameter</b>    |  |                                          |
| Battery type                   |  | LiFePO <sub>4</sub>                      |
| Nominal voltage                |  | 51.2V                                    |
| Nominal capacity               |  | 100Ah                                    |
| Energy                         |  | 5120Wh                                   |
| Pack mode                      |  | 16S1P                                    |
| Continuous discharge current   |  | 50A                                      |
| Charge cut-off voltage         |  | 57.6V                                    |
| Discharge cut-off voltage      |  | 41.6V                                    |
| Max. charge current            |  | 50A                                      |
| Max. discharge current         |  | 100A                                     |
| Peak discharge current         |  | 120A                                     |
| Recommend discharge current    |  | 50A                                      |
| Recommend discharge depth      |  | 80%                                      |
| Cycle life                     |  | > 6000 cycles (25°C, 0.5C ) 90% DOD      |
| Communication                  |  | RS485/RS232/CAN                          |
| Display                        |  | LED+LCD                                  |
| <b>Environmental Parameter</b> |  |                                          |
| Charge & discharge temperature |  | Charge: 0°C~+55°C Discharge: -20°C~+60°C |
| Optimal storage temperature    |  | 5°C ~ +35°C                              |
| Relative humidity              |  | 40%-80%                                  |
| Ingress protection             |  | IP20                                     |
| <b>Mechanical Parameter</b>    |  |                                          |
| Terminal                       |  | M6                                       |
| Dimensions (WxHxD) (mm)        |  | 495x510x150                              |
| Weight (Kg)                    |  | 47.8±0.5                                 |
| Certificate                    |  | UN38.3, MSDS, IEC62619                   |

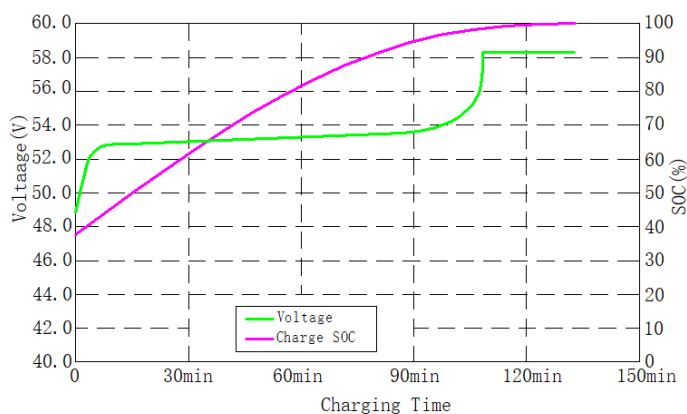
## Different Rate Discharge Curve@25°C



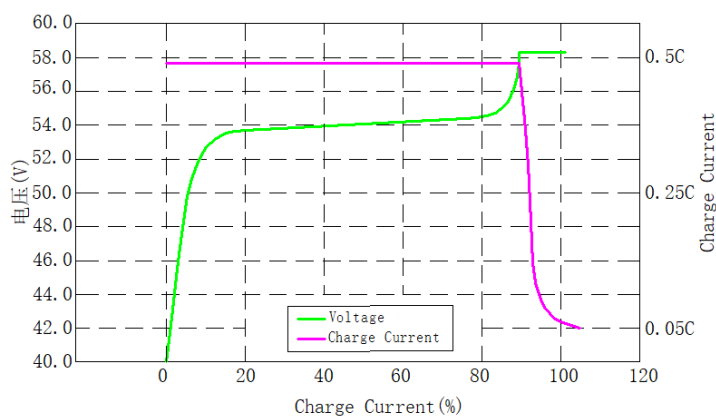
## Different Temperature Discharge Curve@0.5C



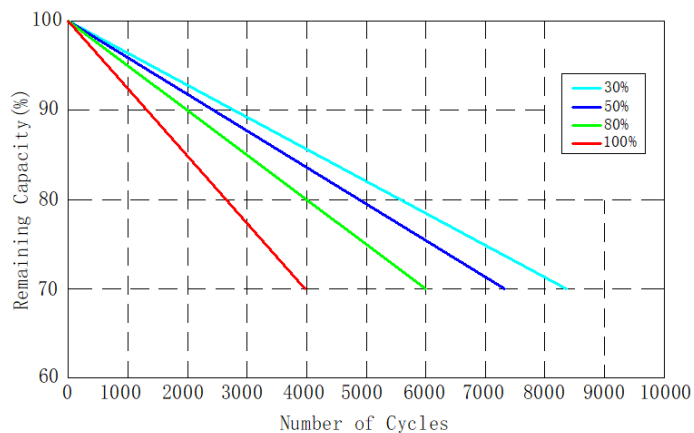
## State of Charge Curve@0.5C 25°C



## Charging Characteristics @0.5C 25°C



## Different DOD Discharge Cycle Life Curve@0.5C 25°C



## Different Temperature Self Discharge Curve

