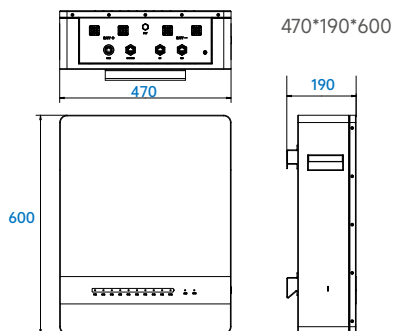


## ► Product Appearance

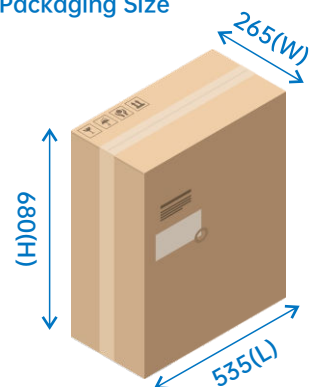


## ► Product Size



Net Weight: 47.6±0.5kg

## ► Packaging Size



Gross Weight: 55.3±0.5kg

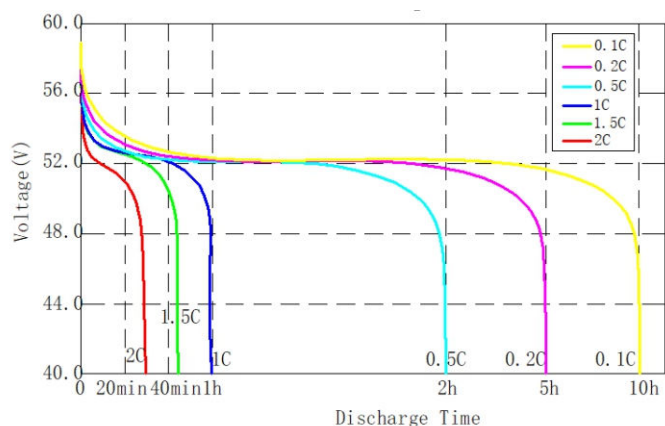
## ► Features

- A grade brand new solid-state cells
- >5000 cycles @80% DOD(25°C, 0.5C )
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- Compatible with most inverters on the market
- Cell balance function
- wall-mounted style
- Certificate: UN38.3, MSDS, IEC62619 ROHS
- Max 8 battery packs can be connected in parallel

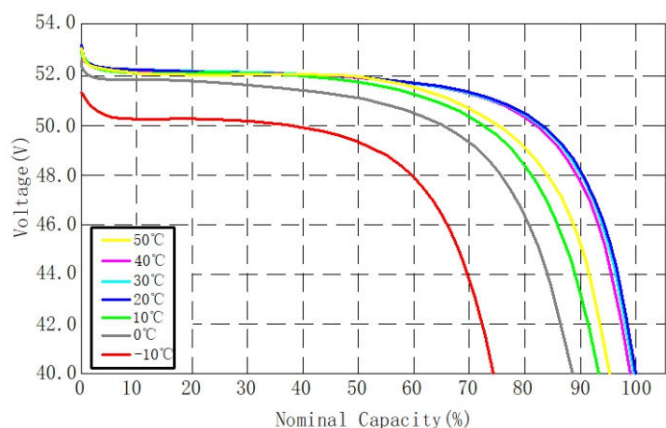
## ► Electrical Characteristics

| Model                          | LFP5.42KWH51.2V-P65H1QT50                |
|--------------------------------|------------------------------------------|
| <b>Electrical Parameter</b>    |                                          |
| Battery type                   | LiFePO <sub>4</sub>                      |
| Nominal voltage                | 51.2V                                    |
| Nominal capacity               | 106AH                                    |
| Energy                         | 5427Wh                                   |
| Pack mode                      | 16S2P                                    |
| 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                     | > 5000 cycles (25°C, 0.5C ) 80% DOD      |
| Communication                  | RS485 RS232 CAN                          |
| Display                        | LED                                      |
| <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             | IP65                                     |
| <b>Mechanical Parameter</b>    |                                          |
| Terminal                       | Quick-plug                               |
| Dimensions (WxHxD) (mm)        | 470x190x600                              |
| Weight (Kg)                    | 47.6±0.5                                 |
| <b>Certificate</b>             | UN38.3 MSDS IEC62619 ROHS                |

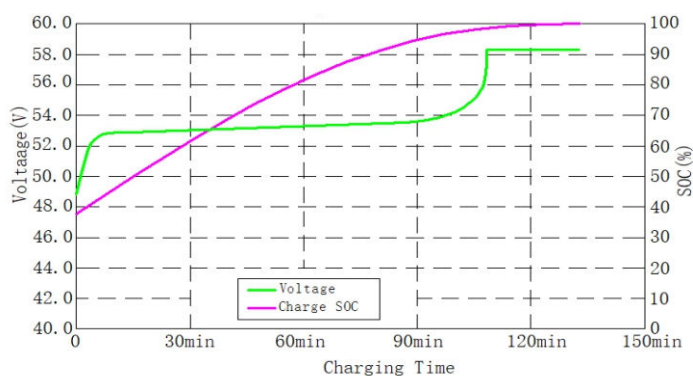
## Different Rate Discharge Curve@25°C



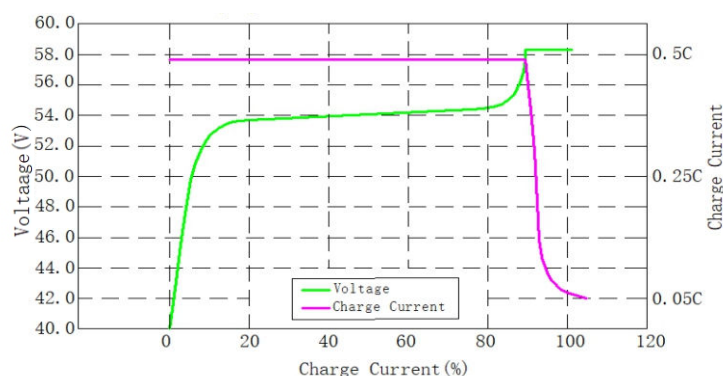
## Different Temperature Discharge Curve@0.5C



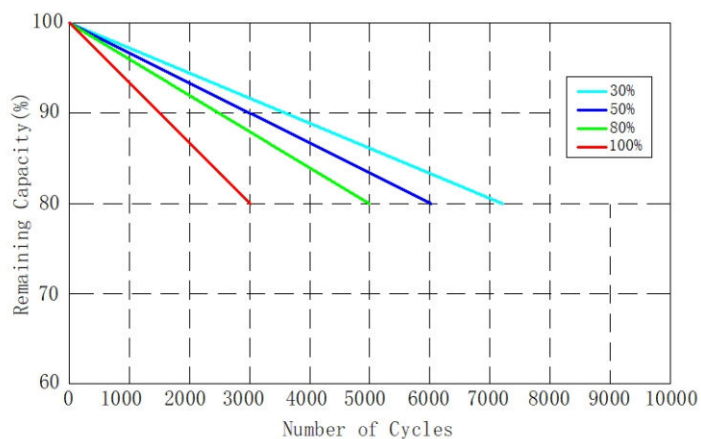
## State of Charge Curve@0.5C 25°C



## Charging Characteristics @0.5C 25°C



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



## Different Temperature Self Discharge Curve

