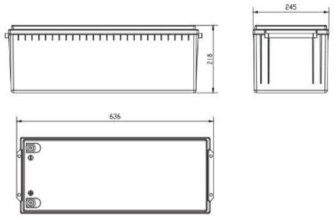
# Lithium Battery Series

LFP5.12KWH25.6V-P65L2GF40

## ▸ Product Appearance

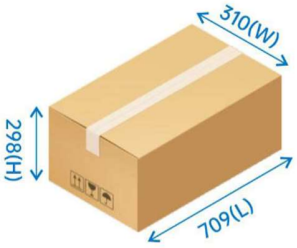


## ▸ Product Size




Net Weight: 40.5±0.5kg

## ▸ Packaging Size




Gross Weight: 44.1±0.5kg

## ▸ Features

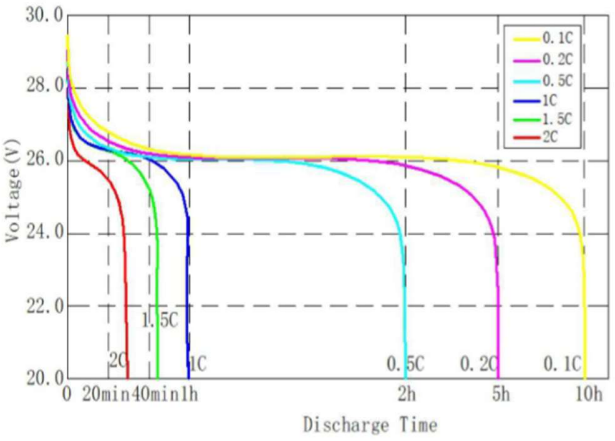
- A grade brand new prismatic $LiFePO_4$ cells
- Cell balance function
- >4000 cycles @80% DOD(25℃, 0.5C )
- IP65 superior safety
- Over charge, over discharge, over temperature, low temperature,over current and short circuit protection
- Certificate: UN38.3, MSDS, IEC62619、CE-RED、ROHS
- Easy installation and maintenance free
- Supports series and parallel connection
- Charging Heating Technique
- Supports Bluetooth communication

## ▸ Technical Specifications

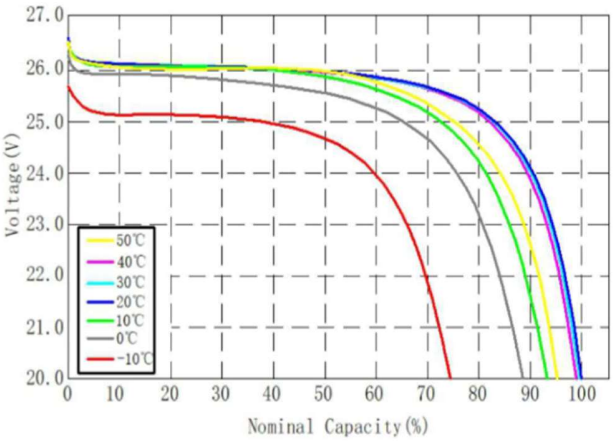
| Model | LFP5.12KWH25.6V-P65L2GF40 |
|---|---|
| Battery Type | $LiFePO_4$ |
| Nominal Voltage (V) | 25.6 |
| Nominal Capacity (AH) | 205 |
| Energy (WH) | 5248 |
| Pack Mode | 8S1P |
| Charge Cut-off Voltage (V) | 28.8 |
| Discharge Cut-off Voltage (V) | 20.8 |
| Max.Charge Current (A) | 150 |
| Max.Discharge Current (A) | 200 |
| Peak Discharge Current (A) | 300A@2S |
| Recommend Discharge Current (A) | 100 |
| Recommend Discharge Deapth (%) | 80 |
| Cycle Life | >4000 cycles (25℃, 0.5C ) 80% DOD |
| Communication | Bluetooth |
| Charge&Discharge Temperature(℃) | Charge: 0℃~+50℃/Discharge: -20℃~+60℃<br>(Automatic heating when charging below 0℃) |
| Optimal Storage Temperature(℃) | 5℃ ~ +35℃ |
| Recommend Storage Humidity | 60%±20% RH |
| Terminal | M8 |
| Dimensions (L*W*H) (mm) | 636*245*218 |
| Weight (Kg) | 40.5±0.5 |
| Certificate | UN38.3, MSDS, IEC62619、CE-RED、ROHS |
| IP Class | IP65 |

# Performance characteristics

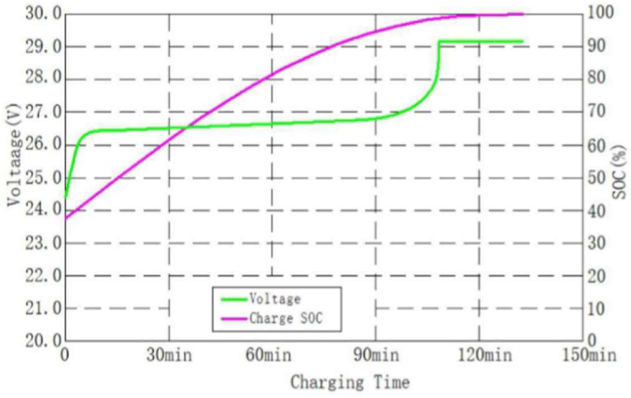
## Different Rate Discharge Curve@25°C



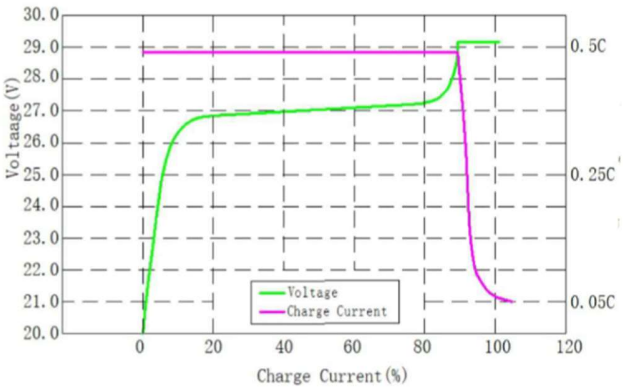

## Different Temperature Discharge Curve@0. 5C



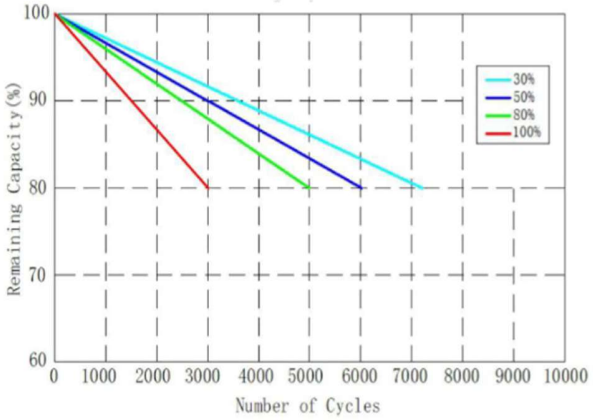

## State of Charge Curve@0.5C 25°C




## Charging Characteristics @0.5C 25°C




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




## Different Temperature Self Discharge Curve

