

## LITHIUM BATTERY



**Molde: 5KWh**

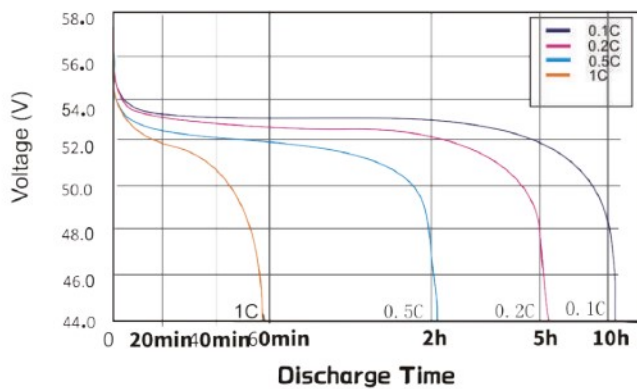
- Easy Installation and Maintenance
- High Cycle Life Reliable Performance
- Compatible with Most Solar Inverters
- Convenient CAN & RS485 & RS232 Communication
- Wall-mounted/ Stack Installation/ Floor Installation

### PRODUCT PARAMETERS

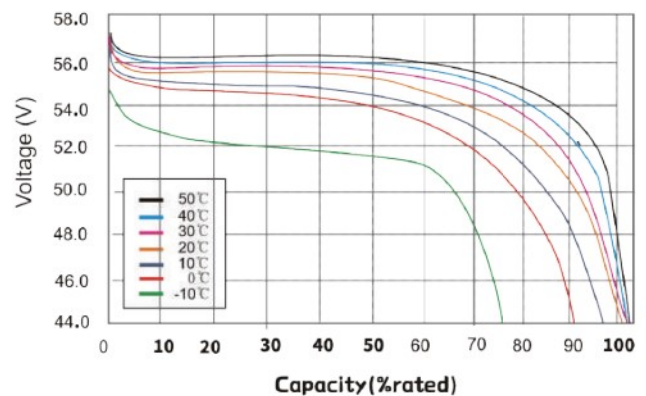
| Model                             | PD-5KW                                 |
|-----------------------------------|----------------------------------------|
| Battery Type                      | LiFePO4 Prismatic Cell                 |
| Rated Capacity                    | 5.12KWh                                |
| Rated Energy                      | 100Ah                                  |
| Rated Voltage                     | 51.2V                                  |
| Max.Charging Voltage              | 58.4V                                  |
| Discharge Cut-off Voltage         | 44.8V                                  |
| Max. Charging Current             | 35A                                    |
| Max. Continuous Discharge Current | 65A                                    |
| Max.Modules in Parallel           | 15                                     |
| Communication                     | CAN & RS485 & RS232                    |
| Cycle Life                        | >6000 , @25°C 80% DOD                  |
| Ingress protection                | IP 21                                  |
| Working Temperature Range         | Discharge: -20°C~65°C Charge: 0°C~65°C |
| Warranty                          | 5 Years                                |
| Certification                     | ISO9001, IEC62619, UN38.3, CE, MSDS    |
| Net Weight(KG)                    | 52.55KG                                |
| Gross Weight(KG)                  | 54.6KG                                 |
| Product Dimension(MM)             | 653*488*186.38MM                       |
| Package Dimension(MM)             | 705*575*260MM                          |

## Charging and Discharge Curve

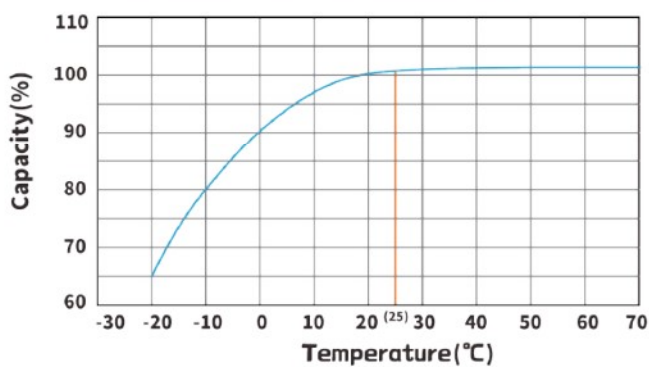
Different Rate Discharge Curve @25 °C



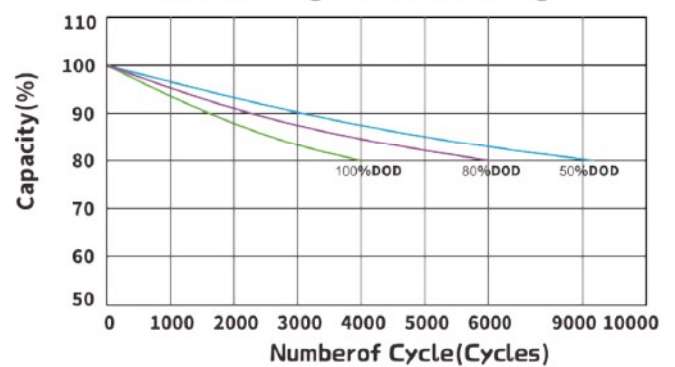
Different Temperature Discharge Curve @ 0.5C



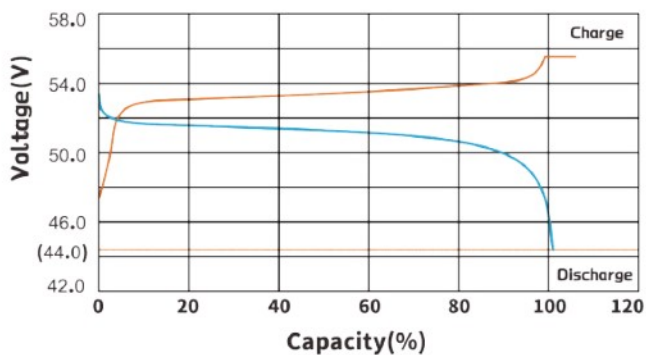
Temperature Effectson Capacity at 0.5C



Cycle Life with DOD at 25°C  
0.5C Discharge and 0.25C Charge



Chargeand Discharge at 25°C,0.5C



Different Temperature Self Discharge Curve

