



# ALPS LV Battery

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Long life LiFePO4 cell.
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Max. parallel 5 PCS,  
25.6kWh.
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6000+ cycles support.
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Wall or floor mounting.
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Self-developed BMS,  
intelligent ensure the  
safe battery working.
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Mainstream inverter  
matching support.

| Model                                                                 | ALPS BA5.2                                                                                                                       |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Battery Moudles                                                       |                                                                                                                                  |
| Cell Type                                                             | LFP                                                                                                                              |
| Battery Energy                                                        | 5.12kWh                                                                                                                          |
| Cell Capacity                                                         | 100Ah                                                                                                                            |
| Nominal Voltage                                                       | 51.2V                                                                                                                            |
| Nominal Current                                                       | 100A                                                                                                                             |
| Maximum Continuous Charging And Discharging Current                   | 100A/100A                                                                                                                        |
| Cycle Life <sup>1</sup>                                               | 6000                                                                                                                             |
| DOD(depth Of Discharge)                                               | 93%                                                                                                                              |
| General Data                                                          |                                                                                                                                  |
| Dimensions(WxHxD)                                                     | 505x480x134(mm)                                                                                                                  |
| Weight                                                                | 46±2kg                                                                                                                           |
| Charging Temperature                                                  | -0 ~ 55 C                                                                                                                        |
| Discharging Temperature                                               | -10 ~ 55 C                                                                                                                       |
| Storage Temperature                                                   | 46 C ~ 55 C @7day SOC≥30%<br>36 C ~ 45 C @6months SOC≥30%<br>-20 C ~ 35 C @1year SOC≥50%<br>(Perform Maintenance Every 6 Months) |
| Storage Hunidity                                                      | 5-95% RH                                                                                                                         |
| Maximum Operating Altitude                                            | 2000m<br>(Derating Above 2000 m)                                                                                                 |
| Cooling                                                               | Natural                                                                                                                          |
| BMS Communication                                                     | CAN/RS485                                                                                                                        |
| Installation                                                          | Rack Mounted / Ground Mounted                                                                                                    |
| Ingress Protection                                                    | IP20(battery & Electricity)                                                                                                      |
| PACK Certification                                                    | CE, UN38.3, MSDS, IEC 62619, UKCA, SABS EMC CoC                                                                                  |
| Warranty                                                              | 5 Year                                                                                                                           |
| Remarks <sup>1</sup> : Test condition at 25 C ±2 C, 0.5C/0.5C, 90%DOD |                                                                                                                                  |

