



# SUNSYNK-L5.1



## DATASHEET

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| Main Parameter               |                          | SUNSYNK-L5.1                                                                    |
|------------------------------|--------------------------|---------------------------------------------------------------------------------|
| Battery Chemistry            |                          | Lithium Ferro Phosphate (LifePO4 or LFP)                                        |
| Capacity                     |                          | 100 Ah                                                                          |
| Scalability                  |                          | Max. 32 pcs in parallel (163.8kWh)                                              |
| Nominal Voltage              |                          | 51.2 V                                                                          |
| Operating Voltage            |                          | 43.2~57.6 V                                                                     |
| Energy                       |                          | 5.12 kWh                                                                        |
| Usable Energy <sup>[1]</sup> |                          | 4.61 kWh                                                                        |
| Charge/Discharge Current     | Recommend <sup>[2]</sup> | 50 A                                                                            |
|                              | Max. <sup>[2]</sup>      | 100 A                                                                           |
|                              | Peak (2mins,25°)         | 150 A                                                                           |
| Other Parameter              |                          |                                                                                 |
| Recommend Depth of Discharge |                          | 90%                                                                             |
| Dimension (W/H/D)            |                          | 440*620*135mm (don't include Circuit Breaker, terminals and hanging boards)     |
| Weight Approximate           |                          | 50kg                                                                            |
| Master LED Indicator         |                          | 5 LED (SOC 20%~100%)                                                            |
|                              |                          | 3 LED (working, alarming, protecting)                                           |
| IP Rating of enclosure       |                          | IP65                                                                            |
| Working Temperature          |                          | Charge: 0°C ~ +55°C (optional heating: -20°C~+55°C)<br>Discharge: -20°C ~ +55°C |
| Storage Temperature          |                          | -20°C ~ +35°C                                                                   |
| Humidity                     |                          | 5% ~ 95%                                                                        |
| Altitude                     |                          | ≤2000m                                                                          |
| Installation                 |                          | Wall Mounted or 19-inch standard cabinet                                        |
| Communication Port           |                          | CAN2.0, RS485                                                                   |
| Certification                |                          | IEC62619, CE, UN38.3                                                            |

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.



## CONTACT US

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