



# **Specification sheet for B500**

**Which is made in China**

Version: 4.0

# 1. Battery parameters

| Model Number                            | B500                          |                                            |
|-----------------------------------------|-------------------------------|--------------------------------------------|
| Items                                   | Rating                        | Note                                       |
| Type of battery                         | LiFePO <sub>4</sub>           |                                            |
| Cell capacity                           | 50Ah                          |                                            |
| Battery capacity                        | 50Ah                          | 1P31S                                      |
| Nominal Voltage                         | 99.2V                         |                                            |
| Min Voltage                             | 77.5V                         |                                            |
| Max Voltage                             | 113.65V                       |                                            |
| Rated capacity                          | 4.96kWh                       |                                            |
| Rated DC power                          | 2480W                         |                                            |
| Available capacity                      | 4.46kWh                       | 90%DOD, 25℃,<br>0.5Ccharge, 1.0C discharge |
| Over voltage protection for single cell | 3.7V                          |                                            |
| low-voltage protection for single cell  | 2.5V                          |                                            |
| Max. charge voltage                     | 108.5V                        | 3.5V×31                                    |
| Lowest discharge voltage                | 86.8V                         | 2.8V×31                                    |
| Max. Charge current                     | 25A                           |                                            |
| Max. Discharge current                  | 50A                           |                                            |
| DC-DC RTE                               | 95.8%                         |                                            |
| IP Degree                               | IP65                          |                                            |
| Enclosure                               | Aluminum, Minimum 3.0mm       |                                            |
| Dimension (L×W×H)                       | L636×W325×H370 mm             |                                            |
| Weigh                                   | 58Kg                          |                                            |
| Work temperature                        | -20℃-50℃                      |                                            |
| Installation requirement                | Indoor                        |                                            |
| DC Isolation devices                    | Twin pole DC breaker provided |                                            |
| Short circuit current                   | 2000A                         |                                            |