

# Residential Energy Storage Battery



## 48V100AH Stacked LiFePO4 Battery System

| Model                     | EHB48100D16S1P                                             |             | EHB48100D16S2P |             | EHB48100D16S3P |             | EHB48100D16S4P |  |
|---------------------------|------------------------------------------------------------|-------------|----------------|-------------|----------------|-------------|----------------|--|
| Cathode material          | LiFePO4                                                    |             |                |             |                |             |                |  |
| Rated voltage/V           | 51.2                                                       |             |                |             |                |             |                |  |
| Rated capacity/Ah         | 102                                                        | 204         |                | 306         |                | 408         |                |  |
| Rated energy/kWh          | 5.22                                                       | 10.44       |                | 15.67       |                | 20.89       |                |  |
| Standard parallel unit/P  | 1                                                          | 2           |                | 3           |                | 4           |                |  |
| Output power/kW           | 5                                                          | 5           | 10             | 5           | 10             | 5           | 10             |  |
| Charge voltage/V          | 58.4                                                       |             |                |             |                |             |                |  |
| Operating voltage range/V | 41.6~58.4                                                  |             |                |             |                |             |                |  |
| Max. charge current/A     | 50                                                         | 100         |                | 120         | 150            | 120         | 200            |  |
| Max. discharge current/A  | 100                                                        | 120         | 200            | 120         | 200            | 120         | 200            |  |
| Operating temperature/°C  | Charge temperature/°C                                      |             | 0~55           |             |                |             |                |  |
|                           | Discharge temperature/°C                                   |             | -20~55         |             |                |             |                |  |
| Weight/kg                 | 11+50×1                                                    | 11+50×2     |                | 11+50×3     |                | 11+50×4     |                |  |
| Dimension(W×D×H)(mm)      | 580×390×380                                                | 580×390×560 |                | 580×390×740 |                | 580×390×920 |                |  |
| IP rating                 | IP54                                                       |             |                |             |                |             |                |  |
| Certification             | UN38.3, CE-EMC                                             |             |                |             |                |             |                |  |
| Cooling method            | Natural cooling                                            |             |                |             |                |             |                |  |
| Communication             | CAN/RS485, bluetooth+APP                                   |             |                |             |                |             |                |  |
| Cycle life                | ≥6000 Cycles@0.5C/90%DOD@70%EOL, 25±2°C                    |             |                |             |                |             |                |  |
| Display configuration     | Quick-connect terminal, ON/OFF button, SOC indicator light |             |                |             |                |             |                |  |