

## SUN-BATT-15.97

Self consumption  
Energy independence



### MORE USABLE ENERGY

100% Depth of Discharge



### FLEXIBLE INVESTMENT

Scalable from 15.97 to 127.76 kWh



### SAFE & RELIABLE

Premium Lithium Iron Phosphate(LFP)



### EASY INSTALLATION

Floor Stand or Wall Mounted



### HIGH ENERGY DENSITY

Proprietary CTP Technology



### PERFECT COMPATIBILITY

Compatible with Major PCS Brand

## SUN-BATT-15.97 Technical Specification

| Performance                      |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| Nominal Voltage                  | 51.2 Vdc                                                                               |
| Nominal Capacity                 | 312Ah                                                                                  |
| Battery Energy <sup>1</sup>      | 15970 Wh                                                                               |
| Charge Voltage                   | 55.68~56.16Vdc                                                                         |
| Discharge Voltage                | 45.6-56.16 Vdc                                                                         |
| Nominal Charge/Discharge Current | 150A                                                                                   |
| Nominal Charge/Discharge Power   | 7500W                                                                                  |
| Max Charge / Discharge Current   | 300A                                                                                   |
| Max Charge / Discharge Power     | 15000W                                                                                 |
| Short Circuit Current            | 450A                                                                                   |
| Communication                    |                                                                                        |
| Display                          | SOC status indicator, LED indicator                                                    |
| Communication                    | RS232、RS485、CAN                                                                        |
| General Specification            |                                                                                        |
| Dimension( W×D×H mm )            | 720×160×916mm                                                                          |
| Weight (Kg)                      | 140kg                                                                                  |
| Installation                     | Floor stand or Wall mounted                                                            |
| Working Temperature <sup>2</sup> | -20℃ ~ 60℃                                                                             |
| Storage Temperature              | ≤25℃,12 months; ≤35℃,6 months; ≤45℃,3 months                                           |
| Operating / Storage / humidity   | ≤ 95%RH                                                                                |
| Max Operating Altitude           | ≤2000m                                                                                 |
| IP Rating                        | IP20                                                                                   |
| Cell Technology                  | LiFePO <sub>4</sub> , Lithium Iron Phosphate                                           |
| Cycle life <sup>3</sup>          | 6000 Cycles @ 80% DOD / 25℃ / 0.5C, 60% EOL                                            |
| Scalability                      | Max 8 batteries in parallel                                                            |
| Standard Compliance              |                                                                                        |
| Certification                    | PACK: UN38.3<br>CELL: UN38.3、IEC62619、UL 1642、JET<br>(more available upon request)     |
| Ordering and Deliverable Part    |                                                                                        |
| Product ordering part            | SUN-BATT-15.97 Battery<br>SUN-BATT-15.97 Parallel cable<br>SUN-BATT-15.97 to PCS cable |

1. Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25℃

2. Charge/discharge derating occurs when the operating temperature from -10℃ to 5℃.& 45℃ to 55℃.

3. Condition apply. Refer to SUN-BATT-15.97 Warranty Letter