

Sunwoda Energy Storage  
Battery Cell



PRODUCT SERIES

| Capacity (Ah)               | 280Ah                                                                                                                                                                                                                                       | 314Ah      | 625Ah      |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| Dimensions(mm)              | 71x173x207                                                                                                                                                                                                                                  | 71x173x207 | 54x470x182 |
| Volume energy density(Wh/L) | 350                                                                                                                                                                                                                                         | 395        | 430        |
| Energy density (Wh/kg)      | 165                                                                                                                                                                                                                                         | 180        | /          |
| Cycle Life(25 °C ,60%SOH)   | 12000                                                                                                                                                                                                                                       | 12000      | 15000      |
| Chemistry                   | LFP                                                                                                                                                                                                                                         |            |            |
| Application                 | Power energy storage, Industrial and commercial energy storage, Household energy storage, Network energy, and Smart energy                                                                                                                  |            |            |
| Certification               | UL1973, UL9540A, UN38.3, IEC62619, GB36276, etc.                                                                                                                                                                                            |            |            |
| Production Compliance Tests | SEVB energy storage cell enterprise standards: 62 production compliance tests included high power charging, constant voltage continuous charging, impact, seawater immersion, steady damp-heat, high temperature storage, acupuncture, etc. |            |            |

Energy Storage Pack



PRODUCT SERIES

| Product Model                  | 1P48S          | 1P52S            | 1P104S         |
|--------------------------------|----------------|------------------|----------------|
| Cooling Method                 | Liquid-Cooling | Liquid-Cooling   | Liquid-Cooling |
| Nominal Capacity               | 280Ah          | 280Ah            | 314Ah          |
| Nominal Energy                 | 43.008kwh      | 46.59kwh         | 104.49kwh      |
| Nominal Voltage                | 153.6V         | 166.4V           | 332.8V         |
| Voltage Range                  | 120~175.2V     | 130~189.8V       | 260~379.6V     |
| Standard Charge/Discharge Rate | 0.5P           | 0.5P             | 0.5P           |
| Dimensions W*L*H               | 980*876*258mm  | 848*1157*247.5mm | 790*2150*240mm |
| Weight                         | 326kg          | 335kg            | 672kg          |

## Utility Energy Storage Project Cases



**Sweden, Europe**  
Fast Frequency Regulation & Arbitrage  
—  
**46MW/46MWh**



**NSW, Australia**  
Energy Storage Dc coupling  
—  
**6MW/11MWh**



Jinta Photovoltaic Energy Storage System Project,  
Gansu Province  
—  
**60MW/120MWh**



Qingyuan Agriculture-Photovoltaic Complementary  
Energy Storage Project, Guangdong Province  
—  
**65MW/65MWh**



Datong Photovoltaic Energy Storage System Project,  
Shanxi Province  
—  
**30MW/30MWh**



Neihuang Wind Utility Energy Storage System Project,  
Henan Province  
—  
**30MW/60MWh**



Shuozhou Peak Shifting and Frequency Regulation  
Demonstration Project, Shanxi Province  
—  
**10MW/10MWh**



Xinhe Agriculture-Photovoltaic Complementary Utility  
Generation Project, Hebei Province  
—  
**12MW/24MWh**



**2011**

Listed on the  
Shenzhen  
Stock Exchange



**50000+**

Employees



**NO.1**

Global 3C Battery  
Shipments



**NO.10**

Global Power  
Battery  
Installed Capacity

## Commercial and industrial Storage Project Cases



Huizhou industrial Park,  
Guangdong Province  
—  
**0.6MW/1.29MWh**



Antarctic Scientific Expedition Station  
Microgrid Project  
—  
**100MW/160MWh**