

Rack-mounted  
Energy Storage System

# PowerBase FC

5.12 kWh-----158.72 kWh



## Key Features



### Safety

Tier-1 LifePo4 Battery with Intelligent BMS for Safety and Performance



### Reliability

Battery & BMS R&D Since 2014, 80,000 Battery Modules in 90+ Countries



### High Usable Capacity

100% Usable Capacity



### Easily Scalable

Supports Parallel Connection of up to 31 Units for Maximum Capacity of 158.72 kWh\*



### Intelligent Management

App-based Monitoring and Analysis, Remote Diagnosis, and OTA Updates



### High adaptability

Flexible configuration and strong product adaptability

## ■ Main Parameters

| ZR-FC48100-1630J2/ZR-FC48100-1630J2-H |  |
|---------------------------------------|--|
| Usable capacity (kWh)                 | 5.12                                       |
| Battery Cell Specifications (Ah)      | 100Ah/3.2V                                 |
| Combination Mode                      | 16S1P                                      |
| Nominal Capacity (Ah)                 | 100  |
| Rated Energy(kWh)                     | 5.12                                       |
| Rated power(kW)                       | 5.12                                       |
| Rated Voltage (V)                     | 51.2                                       |
| Maximum Charge Voltage (V)            | 58.4                                       |
| Charge Cut-off Voltage (V)            | 59.2                                       |
| Discharge Cut-off Voltage (V)         | 43.2                                       |
| Max.Charge Current (A)                | 95   |
| Max.Discharge Current (A)             | 95   |
| Operating Temperature (°C)            | Charge 0°C ~ +50°C Discharge -20°C ~ +50°C |
| Depth of Dicharge                     | 100%                                       |
| Communication                         | RS485/CAN/WIFI                             |
| Weight (kg)                           | 43±1                                       |
| WxDxH (mm)                            | 420×440×132                                |
| Certification                         | CE/UKCA/IEC 62619/UN 38.3/MSDS             |
| Warranty                              | 10 years                                   |
| Installation Environment              | Indoor                                     |
| Enclosure                             | IP20                                       |

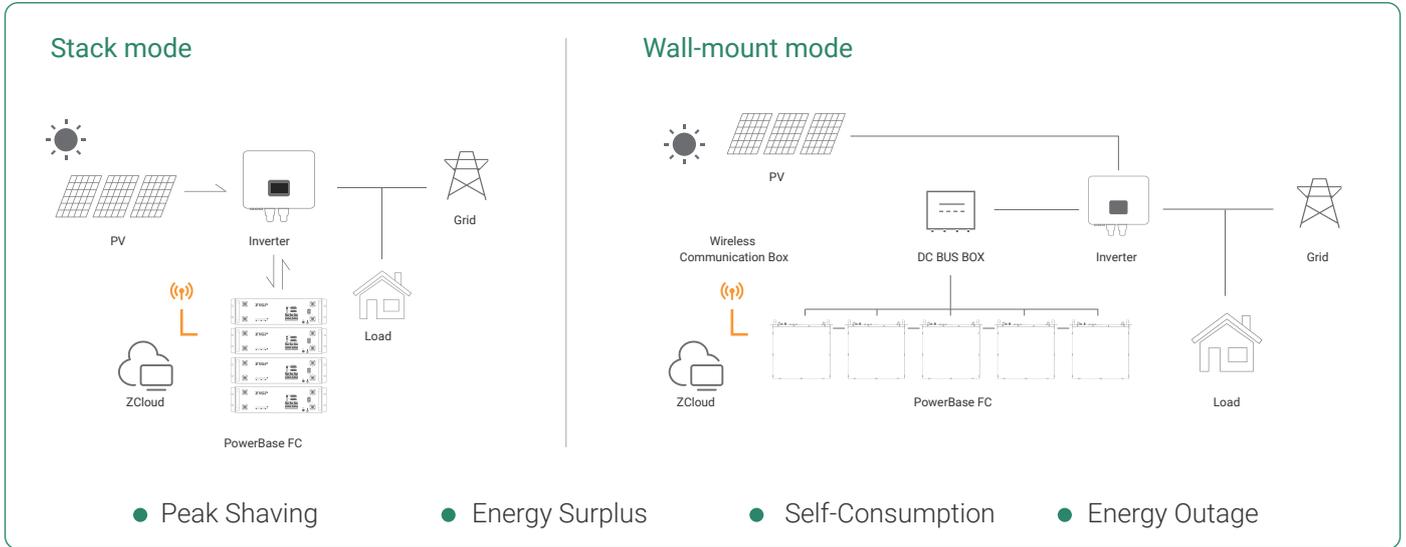
Compatible Inverter Brands:



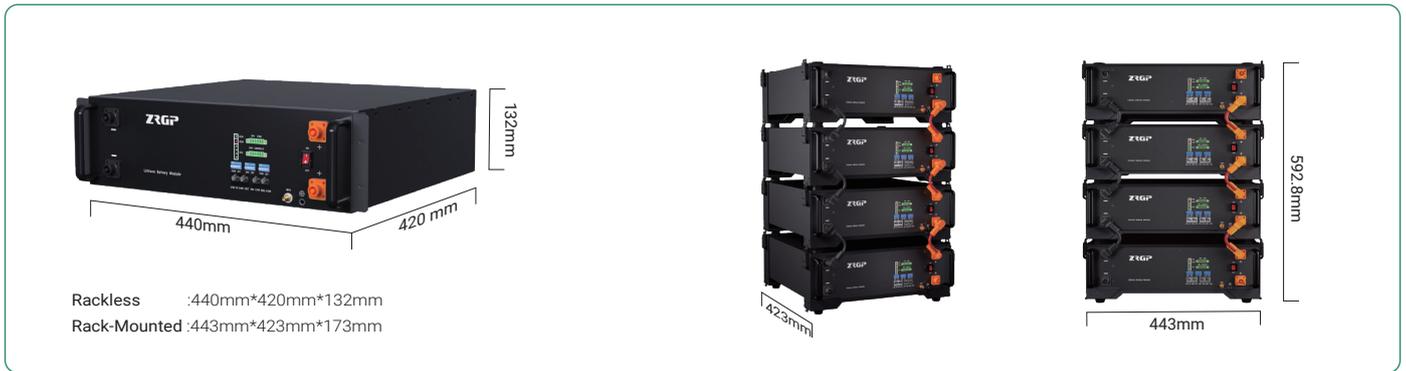
## ■ Effect Display



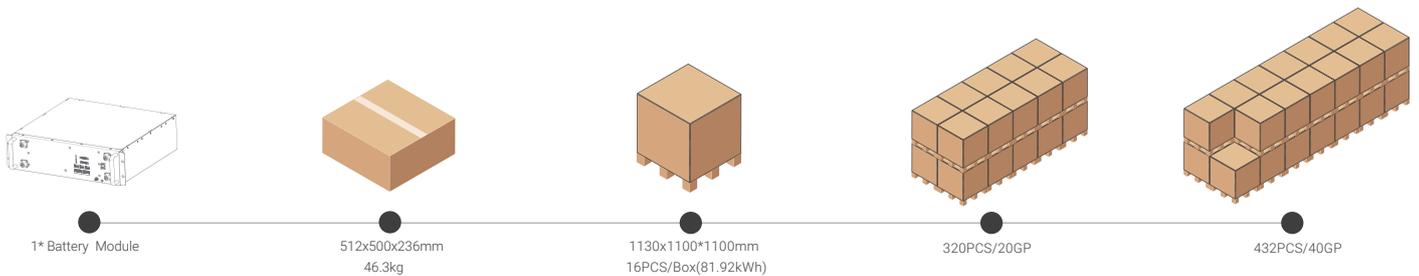
## System Layout



## Size



## Packaging And Shipping Details



1. Country of manufacture-China
2. ZRGP warrants that the Product will retain seventy percent (70%) of its Usable Energy for ten (10) years from the warranty start date, or until it reaches the Minimum Throughput Energy of 15.36 MWh, whichever occurs first.