

**SUOER**



# SUOER ENERGY STORAGE SYSTEM - BATTERY -

LiFePO4 Battery + Lead Acid Battery



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FOSHAN SUOER ELECTRONIC INDUSTRY CO.,LTD



## Wall Mounted Energy Storage LiFePO4 Battery

### ««Product Features

With 2A active balancing, the battery pack can maintain consistency without overcharging or discharging. 4.3-inch touch screen, easy to use, The intelligent BMS is compatible with most mainstream inverter communication protocols on the market. Wall mounted design. with up to 16 parallel energy storage units, supporting RS485, CAN communication and LCD display.

| MODEL                            | BG-05-51-10                                                    | BG-10-51-15                                                    |
|----------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Rated Energy                     | 5.12KWH                                                        | 10.24KWH                                                       |
| Configuration                    | 1P 16S                                                         | 1P 16S                                                         |
| Nominal Voltage                  | 51.2V                                                          | 51.2V                                                          |
| Working Voltage                  | 42V~58.4V                                                      | 42V~58.4V                                                      |
| Nominal Capacity                 | 100Ah                                                          | 200Ah                                                          |
| Rated Charge/Discharge Current   | 50A/100A @25±2 °C                                              | 100A/200A @25±2 °C                                             |
| Maximum Charging Current         | 100A @25±2 °C                                                  | 200A @25±2 °C                                                  |
| Maximum Discharge Current        | 100A @25±2 °C                                                  | 200A @25±2 °C                                                  |
| Operation Temperature            | 0~60°C Charge / -20~60°C Discharge                             | 0~60°C Charge / -20~60°C Discharge                             |
| Humidity                         | 5~95%                                                          | 5~95%                                                          |
| Altitude Limited                 | 0~3000m                                                        | 0~3000m                                                        |
| Weight                           | 49kg                                                           | 92kg                                                           |
| Dimension                        | 375*158*625mm(L*W*H)                                           | 400*260*680mm(L*W*H)                                           |
| Storage Temperature And Humidity | -10 °C~35 °C for 1 month<br>25+ 2°C for 3 month<br>(65%+20%RH) | -10 °C~35 °C for 1 month<br>25+ 2°C for 3 month<br>(65%+20%RH) |
| Cycle Life                       | 6000 cycles @25 °C<br>25A Charge/Discharge 80% DOD             | 6000 cycles @25 °C<br>25A Charge/Discharge 80% DOD             |
| IP Grade                         | IP20                                                           | IP20                                                           |
| Communication Mode               | CAN & RS485                                                    | CAN & RS485                                                    |



## Vertical Energy Storage LiFePO<sub>4</sub> Battery

### ««Product Features

LCD screen display, easy to move universal pulley. The intelligent BMS is compatible with most mainstream inverter communication protocols on the market. Support switching PCS protocol via Bluetooth, display screen, mobile app, etc.

| MODEL                            | LS-05-51-10                                                    |
|----------------------------------|----------------------------------------------------------------|
| Rated Energy                     | 5.12KWH                                                        |
| Configuration                    | 1P 16S                                                         |
| Nominal Voltage                  | 51.2V                                                          |
| Working Voltage                  | 42V~58.4V                                                      |
| Nominal Capacity                 | 100Ah                                                          |
| Rated Charge/Discharge Current   | 50A/100A @25±2 °C                                              |
| Maximum Charging Current         | 100A @25±2 °C                                                  |
| Maximum Discharge Current        | 100A @25±2 °C                                                  |
| Operation Temperature            | 0~60°C Charge / -20~60°C Discharge                             |
| Humidity                         | 5~95%                                                          |
| Altitude Limited                 | 0~3000m                                                        |
| Weight                           | 52kg                                                           |
| Dimension                        | 420*260*680mm(L*W*H)                                           |
| Storage Temperature And Humidity | -10 °C~35 °C for 1 month<br>25+ 2°C for 3 month<br>(65%+20%RH) |
| Cycle Life                       | 6000 cycles @25 °C<br>25A Charge/Discharge 80% DOD             |
| IP Grade                         | IP20                                                           |
| Communication Mode               | CAN & RS485                                                    |



## Vertical Energy Storage LiFePO<sub>4</sub> Battery

### ««Product Features

LCD screen display, easy to move universal pulley. The intelligent BMS is compatible with most mainstream inverter communication protocols on the market. Support switching PCS protocol via Bluetooth, display screen, mobile app, etc.

| MODEL                            | LS-10-25-10                                                    |
|----------------------------------|----------------------------------------------------------------|
| Rated Energy                     | 7.68KWH                                                        |
| Configuration                    | 1P 8S                                                          |
| Nominal Voltage                  | 25.6V                                                          |
| Working Voltage                  | 21V~29.4V                                                      |
| Nominal Capacity                 | 300Ah                                                          |
| Rated Charge/Discharge Current   | 100A/200A @25±2 °C                                             |
| Maximum Charging Current         | 200A @25±2 °C                                                  |
| Maximum Discharge Current        | 200A @25±2 °C                                                  |
| Operation Temperature            | 0~40°C Charge / -20~40°C Discharge                             |
| Humidity                         | 5~95%                                                          |
| Altitude Limited                 | 0~3000m                                                        |
| Weight                           | 68kg                                                           |
| Dimension                        | 415*270*448mm(L*W*H)                                           |
| Storage Temperature And Humidity | -10 °C~35 °C for 1 month<br>25+ 2°C for 3 month<br>(65%+20%RH) |
| Cycle Life                       | 6000 cycles @25 °C<br>25A Charge/Discharge 80% DOD             |
| IP Grade                         | IP20                                                           |
| Communication Mode               | CAN & RS485                                                    |



## Vertical Energy Storage LiFePO<sub>4</sub> Battery

### ««Product Features

LCD screen display, easy to move universal pulley. The intelligent BMS is compatible with most mainstream inverter communication protocols on the market. support switching PCS protocol via Bluetooth, display screen, mobile app, etc.

| MODEL                            | LS-15-51-20-A                                                  | LS-15-51-20-B |
|----------------------------------|----------------------------------------------------------------|---------------|
| Rated Energy                     | 10.24KWH                                                       | 15.36KWH      |
| Configuration                    | 1P 16S                                                         |               |
| Nominal Voltage                  | 51.2V                                                          |               |
| Working Voltage                  | 42V~58.4V                                                      |               |
| Nominal Capacity                 | 200Ah                                                          | 300Ah         |
| Rated Charge/Discharge Current   | 100A/200A @25±2 °C                                             |               |
| Maximum Charging Current         | 200A @25±2 °C                                                  |               |
| Maximum Discharge Current        | 200A @25±2 °C                                                  |               |
| Operation Temperature            | 0~60°C Charge / -20~60°C Discharge                             |               |
| Humidity                         | 5~95%                                                          |               |
| Altitude Limited                 | 0~3000m                                                        |               |
| Weight                           | 95kg                                                           | 115kg         |
| Dimension                        | 415*270*797mm(L*W*H)                                           |               |
| Storage Temperature And Humidity | -10 °C~35 °C for 1 month<br>25+ 2°C for 3 month<br>(65%+20%RH) |               |
| Cycle Life                       | 6000 cycles @25 °C<br>50A Charge/Discharge 80% DOD             |               |
| IP Grade                         | IP20                                                           |               |
| Communication Mode               | CAN & RS485                                                    |               |



**Wall Mounted Energy Storage LiFePO4 Battery**

| MODEL                            | ZC-G-2.5KW                                                                 | ZC-G-5KW             |
|----------------------------------|----------------------------------------------------------------------------|----------------------|
| Rated Energy                     | 2.56KWH                                                                    | 5.12KWH              |
| Configuration                    | 1P 8S                                                                      | 1P 16S               |
| Rated Voltage                    | 25.6V                                                                      | 51.2V                |
| Operating Voltage                | 20V~29.2V                                                                  | 40V~57.6V            |
| Rated Capacity                   | 100Ah                                                                      |                      |
| Rated Charge/Discharge Current   | 100Ah @25±2 °C                                                             |                      |
| Maximum Charging Current         | 100Ah @25±2 °C                                                             |                      |
| Maximum Discharge Current        | 100Ah @25±2 °C                                                             |                      |
| Operation Temperature            | 0~60°C Charge / -20~60°C Discharge                                         |                      |
| Humidity                         | 10~95%                                                                     |                      |
| Altitude Limited                 | 0~4500m                                                                    |                      |
| Storage Temperature And Humidity | -20~45°C≤One month (20%-50% SOC)<br>-20~35°C≤Six months (20%-50% SOC)      |                      |
| Cycle Life                       | 4000 cycles (0.5C cycling, room temperature, capacity retention rate: 80%) |                      |
| Weight                           | 30kg                                                                       | 60kg                 |
| Dimension                        | 386*368*176mm(L*W*H)                                                       | 580*392*180mm(L*W*H) |
| Protection Rating                | IP21                                                                       | IP21                 |
| Communication Mode               | CAN & RS485                                                                | CAN & RS485          |



**Vertical Energy Storage LiFePO4 Battery**

| MODEL                            | ZC-L-7KW                                                                   |
|----------------------------------|----------------------------------------------------------------------------|
| Rated Energy                     | 7.168KWH                                                                   |
| Configuration                    | 1P 8S                                                                      |
| Rated Voltage                    | 25.6V                                                                      |
| Operating Voltage                | 20V~29.2V                                                                  |
| Rated Capacity                   | 280Ah                                                                      |
| Rated Charge/Discharge Current   | 280Ah @25±2 °C                                                             |
| Maximum Charging Current         | 280Ah @25±2 °C                                                             |
| Maximum Discharge Current        | 280Ah @25±2 °C                                                             |
| Operation Temperature            | 0~60°C Charge / -20~60°C Discharge                                         |
| Humidity                         | 10~95%                                                                     |
| Altitude Limited                 | 0~4500m                                                                    |
| Storage Temperature And Humidity | -30°C~60°C(suggestion -10°C~35°C)                                          |
| Cycle Life                       | 6000 cycles (0.5C cycling, room temperature, capacity retention rate: 80%) |
| Weight                           | 90kg                                                                       |
| Dimension                        | 530*400*245mm(L*W*H)                                                       |
| Protection Rating                | IP21                                                                       |
| Communication Mode               | CAN & RS485                                                                |



**Vertical Energy Storage  
LiFePO4 Battery**



| MODEL                               | ZC-L-10KW                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------|
| Rated Energy                        | 10.496KWH                                                                     |
| Configuration                       | 1P 16S                                                                        |
| Rated Voltage                       | 51.2V                                                                         |
| Operating Voltage                   | 40V~57.6V                                                                     |
| Rated Capacity                      | 205Ah                                                                         |
| Rated Charge/<br>Discharge Current  | 205Ah @25±2 °C                                                                |
| Maximum Charging Current            | 205Ah @25±2 °C                                                                |
| Maximum Discharge Current           | 205Ah @25±2 °C                                                                |
| Operation Temperature               | 0~60°C Charge / -20~60°C Discharge                                            |
| Humidity                            | 10~95%                                                                        |
| Altitude Limited                    | 0~4500m                                                                       |
| Storage Temperature<br>And Humidity | -30°C~60°C(suggestion -10°C~35°C)                                             |
| Cycle Life                          | 6000 cycles (0.5C cycling, room temperature,<br>capacity retention rate: 80%) |
| Weight                              | 120kg                                                                         |
| Dimension                           | 674*400*241mm(L*W*H)                                                          |
| Protection Rating                   | IP21                                                                          |
| Communication Mode                  | CAN & RS485                                                                   |



**Vertical Energy Storage  
LiFePO4 Battery**



| MODEL                               | ZC-L-15KW                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------|
| Rated Energy                        | 14.336KWH                                                                     |
| Configuration                       | 1P 16S                                                                        |
| Rated Voltage                       | 51.2V                                                                         |
| Operating Voltage                   | 40V~57.6V                                                                     |
| Rated Capacity                      | 280Ah                                                                         |
| Rated Charge/<br>Discharge Current  | 280Ah @25±2 °C                                                                |
| Maximum Charging Current            | 280Ah @25±2 °C                                                                |
| Maximum Discharge Current           | 280Ah @25±2 °C                                                                |
| Operation Temperature               | 0~60°C Charge / -20~60°C Discharge                                            |
| Humidity                            | 10~95%                                                                        |
| Altitude Limited                    | 0~4500m                                                                       |
| Storage Temperature<br>And Humidity | -30°C~60°C(suggestion -10°C~35°C)                                             |
| Cycle Life                          | 6000 cycles (0.5C cycling, room temperature,<br>capacity retention rate: 80%) |
| Weight                              | 130kg                                                                         |
| Dimension                           | 822*400*245mm(L*W*H)                                                          |
| Protection Rating                   | IP21                                                                          |
| Communication Mode                  | CAN & RS485                                                                   |

# LEAD ACID BATTERY

Stable Power Transmission / Safe And Reliable

12V/100AH

12V/150AH

12V/200AH

12V/250AH



| MODEL             | 6FM100         | 6FM150         | 6FM200         | 6FM250         |
|-------------------|----------------|----------------|----------------|----------------|
| Rechargeable      | Chargeable     | Chargeable     | Chargeable     | Chargeable     |
| Color             | Light gray     | Light gray     | Light gray     | Light gray     |
| Weight            | 28.6kg         | 42.1kg         | 58.5kg         | 69.5kg         |
| Transport Package | Paper Box      | Paper Box      | Paper Box      | Paper Box      |
| Origin            | China          | China          | China          | China          |
| Shape             | Square Battery | Square Battery | Square Battery | Square Battery |
| Material          | ABS            | ABS            | ABS            | ABS            |
| Capacity          | 100Ah          | 150Ah          | 200Ah          | 250Ah          |
| Specification     | 327*172*214mm  | 484*171*240mm  | 524*238*220mm  | 520*268*219mm  |