






# Energy Storage LiFePO4 Battery---Wall Box Model



## Product Features:

-  LFP (lithium iron phosphate) cell to ensure the highest safety.
-  Built-In BMS protects the cell such as temperature, current, voltage, SoC, SoH.
-  Extra long cycle life times with 6500 cycles with 80% DoD.
-  Compatible with most of the available inverters.
-  Possibility of parallel connection with up to 16 pieces.



## Product list

| Module                        | SWA51100-WM                       | SWA51200-WM |
|-------------------------------|-----------------------------------|-------------|
| <b>Basic Parameters</b>       |                                   |             |
| Rated Voltage                 | 51.2V                             | 51.2V       |
| Rated Capacity (0.2°C, @25°C) | 100Ah                             | 200Ah       |
| Rated Energy                  | 5120Wh                            | 10240Wh     |
| <b>Operating Parameters</b>   |                                   |             |
| Output Voltage Range          | 44.8V~57.6V                       | 44.8V~57.6V |
| Charging Voltage              | 57.6±0.20V                        | 57.6±0.20V  |
| Cut-off Voltage               | 43.2V                             | 42V         |
| Max. Charging Current         | 100A                              | 100A        |
| Recommended Charging Current  | 50A                               | 100A        |
| Max. Discharging Current      | 100A                              | 100A        |
| Efficiency                    | >98%                              | >98%        |
| <b>Physical</b>               |                                   |             |
| Dimension L*W*H (mm)          | 500*540*185                       | 500*780*185 |
| Weight (kg)                   | 55                                | 92          |
| <b>Environment</b>            |                                   |             |
| Humidity                      | 5%~95% Relative humidity          |             |
| Charging Temperature          | 0°C~65°C                          |             |
| Discharging Temperature       | -20°C~65°C                        |             |
| Storage Temperature           | -10°C~30°C                        |             |
| <b>Service Life</b>           |                                   |             |
| Cycle Life                    | >6500 times (0.2C, @25°C, 80%DOD) |             |
| Design Life                   | >10 years                         |             |