



BLW SERIES

Wall Mounted Battery

5.12kWh



Safety

- Cobalt free lithium iron phosphate (LFP) battery, safe and long lifespan, high efficiency and high power density

Flexible

- Intelligent BMS, providing complete protection

Reliable

- Battery module auto networking, automatic IP addressing, easy maintenance Free stand design and saving installation space

Eco-Friendly

- Remotely monitoring and upgrade, support USB drive upgrade the firmware

| MODEL | BLW5.12 | BLW5.12*2 | BLW5.12*3 | BLW5.12*4 |
|-------------------------------------|-----------------|-----------|-----------|-----------|
| Total Energy [kWh] | 5.12 | 10.24 | 15.36 | 20.48 |
| Battery Module | 51.2 V 5.12 kWh | | | |
| Number of Modules | 1 | 2 | 3 | 4 |
| Cell Type | LFP (LiFe P04) | | | |
| Nominal Voltage [V] | 51.2 | 51.2 | 51.2 | 51.2 |
| Operating Voltage Range [V] | 40-58.4 | 40-58.4 | 40-58.4 | 40-58.4 |
| Max. Charge / Discharge Current [A] | 100 | 150 | 150 | 150 |
| Continue Discharge Output [kW] | 5 | 7.5 | 7.5 | 7.5 |
| Dimension (W*D*H)[mm] | 500*160*660 | | | |
| Approximate Weight [KG] | 49.1 | 98.2 | 147.3 | 196.4 |

General Specifications

| | |
|------------------------------|--|
| Recommend Depth of Discharge | 90% |
| LED Indicator | 4 LED (SOC: 25% - SOC, 100% blue), 2 LED (workinggreen, alarmingred) |
| IP Rating of Enclosure | IP65 |
| Operating Temperature | Charge: 0°C - 55°C / Discharge: -20°C - 55°C |
| Storage Temperature | 0°C - 35°C |
| Humidity | ≤95% |
| Altitude | ≤2000 m |
| Cycle Life | 10 + years, 6000 cycles (90% DOD, 25°C) |
| Installation | Wall & Floor-mounted |
| Communication Port | CAN |
| Certification | UN38.3 |

[1] DC Usable Energy, test conditions: 90% DOD , 0.5°C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

Introduction

- YINERGY Residential Li-ion Battery System Saturn LV5-02 is a Low voltage lithium battery with an integrated battery system that stores your energy for backup protection the grid goes down.
- The compact , minimalist construction features versatile mounting options for indoor or outdoor spaces.
- This series is especially suitable for application scene of high power , limited installation space , restricted load-bearing and long cycle life.
- This series has built-in BMS battery management system , which can manage and monitor cells information including voltage , current and temperature. What's more can balance cells charging and discharging to extend cycle life.
- Multiple battery modules can connect in parallel to expand capacity and power for larger capacity an longer power supporting duration requirements.

Module

| Saturn LV5-02 | Battery System |
|---------------------------------|--|
| Battery Type | LFP (LiFe P04) |
| Nominal Voltage | 51.2 V |
| Nominal Capacity | 100 Ah |
| Nominal Energy | 5.12 kWh |
| Max. Charge / Discharge Current | 100 A |
| Operating Temperature | Charge: 0°C - 55°C / Discharge: -20°C - 55°C |
| Storage Temperature | 0°C - 35°C |
| Ingress Protection | IP65 |
| Dimension (W*D*H) | 500*160*660 mm |
| Approximate weight | 49.1 KG |