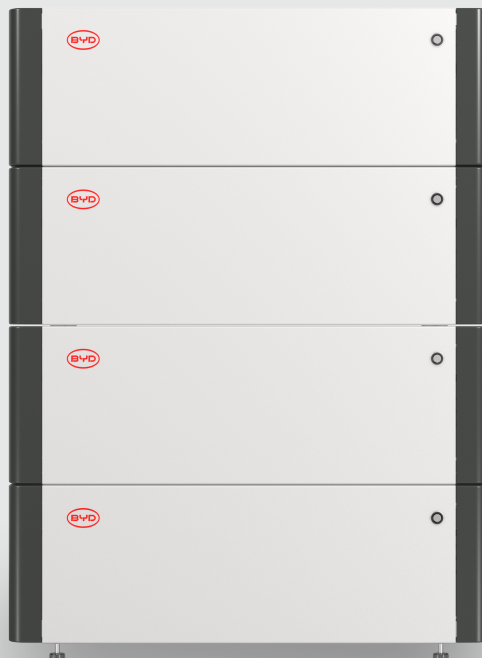




**Battery  
Box**

# BATTERYBOX LV5.0



## KEY FEATURE



### Safety

- Self-developed LFP Battery
- Safety Proved by Millions of Electric Vehicles



### Reliability

- LFP R&D Started from 2002
- 1,000,000+ Systems in 90+ Countries



### High Usable Capacity

- 100% Usable Capacity



### Flexibility

- Modular Design
- Expand Anytime



### Intelligent Management

- Monitoring and Analysis
- Remote Diagnosis and OTA



### One-button Adaptation

- One-click Auto-configuration of Compatible Inverters

## BATTERYBOX LV5.0



1 x LV5.0



4 x LV5.0



4 x LV5.0 x 8

Maximum capacity of

**160** kWh



bydenergy.com

Q BYD Energy Storage





## TECHNICAL PARAMETERS LV5.0



### PERFORMANCE

#### LV5.0

|                                         |                                                                                      |
|-----------------------------------------|--------------------------------------------------------------------------------------|
| Usable Energy [1]                       | 5 kWh                                                                                |
| Max.Charge and Discharge Current [2][3] | 70A                                                                                  |
| Peak Charge and Discharge Current [3]   | 200 A, 10s                                                                           |
| Dimension(HW/D)                         | 195 x 595 x 255 mm                                                                   |
| Weight                                  | 42 kg                                                                                |
| Nominal Voltage                         | 51.2 V                                                                               |
| Operating Voltage                       | 40 - 57.6 V                                                                          |
| Charge Cut-Off Voltage                  | 57.6 V                                                                               |
| Discharge Cut-Off Voltage               | 40 V                                                                                 |
| Scalability                             | Max. 32 in Parallel (160 kWh)                                                        |
| Installation Mode                       | Floor installation                                                                   |
| Communication                           | CAN / RS485                                                                          |
| Round-trip Efficiency                   | ≥ 95%                                                                                |
| Applications                            | On Grid / On Grid + Backup / Off Grid                                                |
| Operating Temperature                   | Charge 0~50°C & Discharge -20~50°C                                                   |
| Protection Class                        | IP20                                                                                 |
| Storage Humidity                        | 5%~95%                                                                               |
| Altitude                                | < 4000 m                                                                             |
| Certification                           | CE / IEC62619 / UN38.3                                                               |
| Compatible Inverter                     |  |

[1] Test conditions: 100% DOD, 0.2C charge & discharge at 25°C. System Usable Energy may vary with different inverter brands.

[2] Charge derating will occur between 0°C and +10°C.

[3] The current varies with different compatible inverters.

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