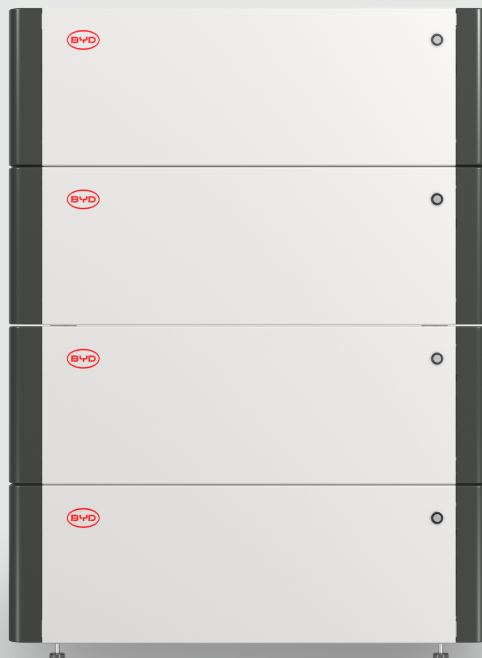




**Battery
Box**

BATTERYBOX LV5.0



KEY FEATURES



Safety

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



Reliability

- LFP R&D Started from 2002
- 1.000.000+ Systems in 100+ 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 BatteryBox





TECHNICAL PARAMETERS LV5.0



PERFORMANCE

LV5.0

Usable Energy ^[1]	5 kWh
Max.Charge and Discharge Current ^{[2][3]}	70 A
Peak Charge and Discharge Current ^[3]	200 A, 10 s
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 / Bluetooth / Wi-Fi
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 / RED
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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