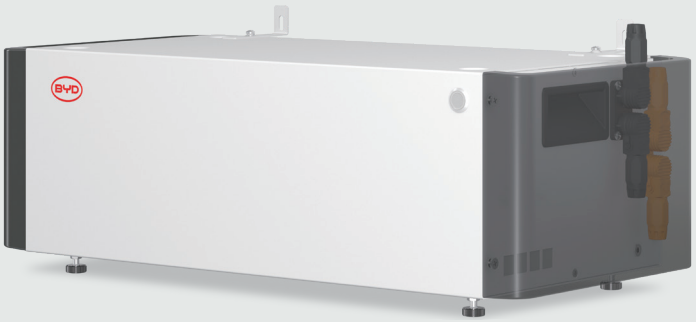
Energy Storage

BATTERY-BOX
LV5.0+



KEY FEATURES

Safety
LFP cells developed in-house
Proven in millions of EVs

Reliability
LFP expertise since 2002
1M+ systems in 100+ countries

High performance
Max. 1C-rate charge & discharge
100%DOD

Flexibility
Maximum capacity of 163.84kWh
Compatible with BYD and major brand inverters

Ultra Experience
Easy Installation with Plug-Play power cable
One-click auto-configuration with compatible inverters

Intelligent Management
24/7 online monitoring and analysis
Remote diagnosis and OTA updates
Real-time data & energy flow on BYD Energy APP

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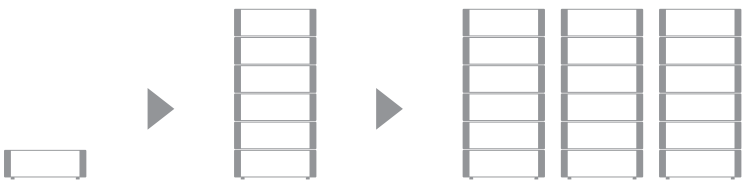

LV5.0+ | 6 x LV5.0+ | 32 x LV5.0+

Maximum capacity of
163.84 kWh

TECHNICAL PARAMETERS **LV5.0+**

PERFORMANCE	LV5.0+
Usable Energy [1]	5.12 kWh
Max. Charge and Discharge Current [2] [3]	100 A
Peak Charge and Discharge Current [3]	200 A, 10 s
Dimensions(H/W/D)	195 x 625 x 285 mm
Weight	45 kg
Nominal Voltage	51.2 V
Operating Voltage	40 - 58.4 V
Charge Cut-Off Voltage	58.4 V
Discharge Cut-Off Voltage	40 V
Scalability	Max. 32 in Parallel (163.84 kWh)
Installation Mode	Floor installation
Communication	CAN / RS485
Round-trip Efficiency	≥ 95%
Applications	On Grid / On Grid + Backup / Off Grid
Operating Temperature [4]	Charge 0~55°C & Discharge -20~55°C
IP Class	IP20
Storage Humidity	5%~95%
Altitude	< 4000 m
Warranty	10 years
Certification	CE / IEC62619 / UN38.3
Accessories (Optional)	BYD Smart WIFI/LAN module
Compatible Inverter	BYD, victron energy, Deye, solis, Voltronic Power, GOODWE, MEGAREVO

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

[2] Charge & discharge current at +25°C.

[3] The current varies with different compatible inverters.

[4] Charge derating will occur between 0°C and +5°.

NOTE

A: The initial capacity of the Battery Module is 5.12kWh.

B: The actual capacity and power of the Battery Module can be influenced by various conditions, including temperature, transportation, storage, and State of Health (SOH).

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