

BATTERY-BOX LV5.0+

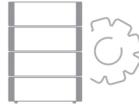


KEY FEATURES



Safety

LFP cells developed in-house
Proven in millions of EVs



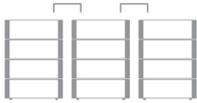
Reliability

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



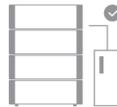
High performance

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



Flexibility

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



Ultra Experience

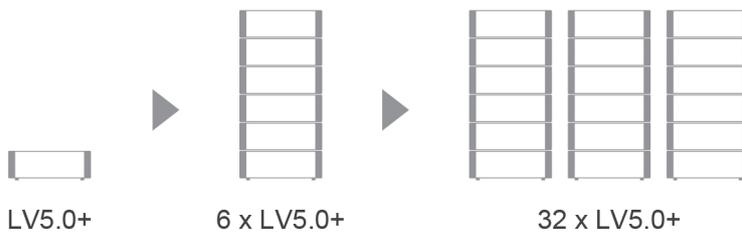
Easy Installation with Plug-Play power cable
One-click auto-configuration
with compatible inverters



Intelligent Management

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

BATTERY-BOX 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	       

[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).

SERVICE CENTER

0300 0222104
Karachi

0300 8290375
Lahore

0332 3318888
Peshawar

0301-5717629
Islamabad

0300-0222129
Quetta

✉ info@diwanit.com