

BATTERY-BOX HVS+



KEY FEATURES



Ultra Safety

LFP expertise since 2002
1M+ systems in 100+ countries
Safety design from cell to pack



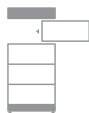
Intelligent Management

Automatic SOC adjustment
Remote diagnosis and OTA



High Performance

High efficiency
Max. 12.8 kW charge / discharge
power per tower



Flexibility

Modular design
Built-in balancing optimizer



Easy Installation

Patented internal plug connection
Smart configuration
Quick and flexible wiring



Perfect Compatibility

Compatible with leading single-phase
& three-phase inverters

BATTERY-BOX HVS+



HVS+ 5.1



HVS+ 12.8



3 x HVS+ 12.8

Maximum capacity of

38.4 kWh

TECHNICAL PARAMETERS HVS+



HVS+ 5.1



HVS+ 7.7



HVS+ 10.2



HVS+ 12.8

PERFORMANCE

Battery Module	HVS+ (2.56 kWh, 102.4 V, 38.5 kg)			
Number of Modules	2	3	4	5
Usable Energy ^[1]	5.12 kWh	7.68 kWh	10.24 kWh	12.8 kWh
Max. Output Current ^[2]	25 A	25 A	25 A	25 A
Peak Output Current ^[2]	55 A, 15 s	55 A, 15 s	55 A, 15 s	55 A, 15 s
Nominal Voltage	204.8 V	307.2 V	409.6 V	512 V
Operating Voltage	160 ~ 230.4 V	240 ~ 345.6 V	320 ~ 460.8 V	400 ~ 576 V
Dimensions(H/W/D)	747 x 610 x 282 mm	987 x 610 x 282 mm	1,227 x 610 x 282 mm	1,467 x 610 x 282 mm
Weight	91.1 kg	129.6 kg	168.1 kg	206.6 kg

GENERAL DATA

Operating Temperature	-10 °C to +50 °C
Cell Technology	Lithium Iron Phosphate (LiFePO ₄)
Communication	CAN / RS485
IP Class	IP55
Round-trip Efficiency	≥ 95 %
Installation Scene	Indoor / Outdoor Installation
Installation Mode	Floor Stand
Storage Humidity	5 % ~ 95 %
Altitude	< 3,000 m
Certification	VDE 2510-50 / IEC 62619 / CE / UKCA / UN 38.3
Applications	On Grid / On Grid + Backup / Off Grid
Warranty ^[3]	10 Years
Compatible Inverters	     

[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] The maximum charge / discharge current may vary depending on temperature, battery state of charge (SOC), and the connected inverter.

[3] Conditions apply. Refer to BYD Battery-Box HVS+ Limited Warranty Letter.

NOTE

A: 2.56 kWh is the initial capacity (designed) of the Energy Storage Module.

B: The actual capacity is affected by the external environment (such as temperature, transportation, and storage).