Energy Storage

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. 12.8kW charge/discharge power per tower

Flexibility
Modular design
Built-in balancing optimizer
Extend anytime at any SOC

Easy Installation
Patented internal plug connection
Smart configuration
Quick and flexible wiring

Perfect Compatibility
Compatible with leading single & 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+**




PERFORMANCE

	HVS+ 5.1	HVS+ 7.7	HVS+ 10.2	HVS+ 12.8
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	1227 x 610 x 282 mm	1467 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	< 3000 m
Certification	VDE2510-50 / IEC62619 / CE / UKCA / UN38.3
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty [3]	10 Years

[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] Power derating will occur between -10°C and +5°C.

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

NOTE

A: 2.56kWh 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).

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