

BATTERY-BOX HVM+



KEY FEATURES



Ultra Safety

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



Flexibility

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



Intelligent Management

Automatic SOC adjustment Remote diagnosis and OTA



Easy Installation

Patented internal plug connection Smart configuration Quick and flexible wiring



High Performance

High current Max. continuous charge/discharge current 50A



Perfect Compatibility

Compatible with leading single & three phase inverters

BATTERY-BOX HVM+



Maximum capacity of

66.2 kWh









TECHNICAL PARAMETERS HVM+

PERFORMANCE	HVM+ 8.3	HVM+ 11.0	HVM+ 13.8	HVM+ 16.6	HVM+ 19.3	HVM+ 22.1
Battery Module	HVM+ (2.76 kWh, 51.2 V, 41.4 kg)					
Number of Modules	3	4	5	6	7	8
Usable Energy [1]	8.28 kWh	11.04 kWh	13.80 kWh	16.56 kWh	19.32 kWh	22.08 kWh
Max. Output Current [2]	50 A	50 A	50 A	50 A	50 A	50 A
Peak Output Current [2]	80 A, 15 s	80 A, 15 s	80 A, 15 s	80 A, 15 s	80 A, 15 s	80 A, 15 s
Nominal Voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
Operating Voltage	120 - 172.8 V	160 - 230.4 V	200 - 288 V	240 - 345.6 V	280 - 403.2 V	320 - 460.8 V
Dimensions(H/W/D)	987 x 610 x 282 mm	1227 x 610 x 282 mm	1467 x 610 x 282 mm	1707 x 610 x 282 mm	1947 x 610 x 282 mm	2187 x 610 x 282 mm
Weight	138.3 kg	179.7 kg	221.1 kg	262.5 kg	303.9 kg	345.3 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 HVM+ Limited Warranty Letter.

NOTE

- A: 2.76kWh 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).