



# BATTERY-BOX HVM+



## 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 current  
Max. continuous charge/discharge current 50A



### Flexibility

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



### Easy Installation

Patented internal plug connection  
One-click configuration



### Perfect Compatibility

Compatible with leading single  
& three phase inverters

## BATTERY-BOX HVM+



HVM+ 8.3



HVM+ 22.1

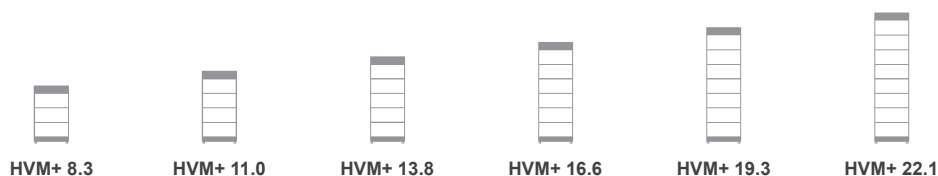


3 x HVM+ 22.1

Maximum capacity of

# 66.2 kWh

## TECHNICAL PARAMETERS HVM+



### PERFORMANCE

Battery Module HVM+ (2.76 kWh, 51.2 V, 41.4 kg)						
Number of Modules	3	4	5	6	7	8
Usable Energy <sup>[1]</sup>	8.28 kWh	11.04 kWh	13.80 kWh	16.56 kWh	19.32 kWh	22.08 kWh
Max. Output Current <sup>[2]</sup>	50 A	50 A	50 A	50 A	50 A	50 A
Peak Output Current <sup>[2]</sup>	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	138.8 kg	180.2 kg	221.6 kg	263 kg	304.4 kg	345.8 kg

### GENERAL DATA

Operating Temperature	-10°C to +50°C
Cell Technology	Lithium Iron Phosphate (LiFePO <sub>4</sub> )
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 <sup>[3]</sup>	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.