

BATTERY-BOX HVM+



KEY FEATURES



Ultra Safety

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



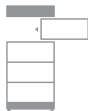
Intelligent Management

Automatic SOC adjustment
Remote diagnosis and OTA



High Performance

High current
Max. continuous charge/discharge current 50A



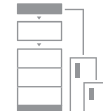
Flexibility

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



Easy Installation

Patented internal plug connection
Smart configuration
Quick and flexible wiring



Perfect Compatibility

Compatible with leading single
& three phase inverters

BATTERY-BOX HVM+



HVM+ 8.3



HVM+ 22.1

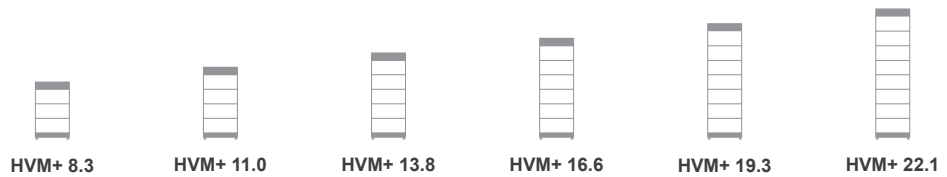


3 x HVM+ 22.1

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 ^[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).