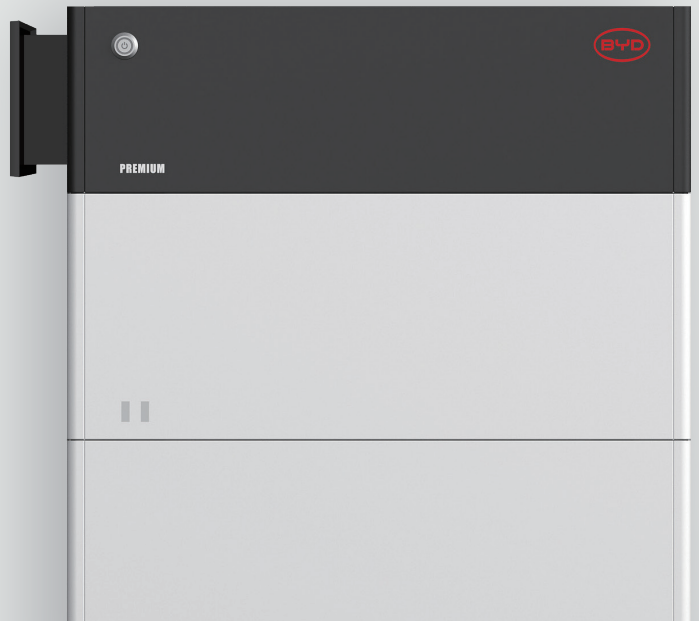




# BATTERY-BOX PREMIUM HVM(US)



## KEY FEATURES



### Safety

LFP cells developed in-house  
Proven in millions of EVs



### Reliability

LFP expertise since 2002  
1M+ systems in 100+ countries



### High Performance

High efficiency certified by HTW Berlin  
High-power backup function



### Flexibility

Modular design  
Expandable anytime



### Easy Installation

Patented internal plug connection  
Quick set-up



### Perfect Compatibility

Compatible with leading single  
& three phase inverters

## BATTERY-BOX PREMIUM HVM(US)



HVM 11.0



HVM 19.3



3 x HVM 19.3

Maximum capacity of

# 57.9 kWh

# TECHNICAL PARAMETERS PREMIUM HVM(US)



## PERFORMANCE

| Battery Module                     | HVM (2.76 kWh, 51.2 V, 83.8 lb) |                            |                            |                            |
|------------------------------------|---------------------------------|----------------------------|----------------------------|----------------------------|
| Number of Modules                  | 4                               | 5                          | 6                          | 7                          |
| Usable Energy <sup>[1]</sup>       | 11.04 kWh                       | 13.80 kWh                  | 16.56 kWh                  | 19.32 kWh                  |
| Max Output Current <sup>[2]</sup>  | 50 A                            | 50 A                       | 50 A                       | 50 A                       |
| Peak Output Current <sup>[2]</sup> | 75 A, 3 s                       | 75 A, 3 s                  | 75 A, 3 s                  | 75 A, 3 s                  |
| Nominal Voltage                    | 204.8 V                         | 256 V                      | 307.2 V                    | 358.4 V                    |
| Operating Voltage                  | 160 - 236 V                     | 200 - 295 V                | 240 - 354 V                | 280 - 413 V                |
| Dimensions(H/W/D)                  | 48.3 x 23.0 x<br>11.7 inch      | 57.5 x 23.0 x<br>11.7 inch | 66.7 x 23.0 x<br>11.7 inch | 75.9 x 23.0 x<br>11.7 inch |
| Weight                             | 368.2 lb                        | 452.0 lb                   | 535.7 lb                   | 619.5 lb                   |

## GENERAL DATA

|                         |   |
|-------------------------|---|
| Operating Temperature   | 14°F to 122°F                                       |
| Battery Type            | Lithium Iron Phosphate (LiFePO <sub>4</sub> )       |
| Communication           | CAN / RS485   |
| Protection Rating       | NEMA 3R   |
| Round-trip Efficiency   | ≥ 96%   |
| Environment             | Indoor / Outdoor                                    |
| Mounting Method         | Floor Stand   |
| Certification           | UL9540A / UL9540 / UL1973 / IEC60730 / FCC / UN38.3 |
| Applications            | ON Grid / ON Grid + Backup / OFF Grid               |
| Warranty <sup>[3]</sup> | 10 Years  |
| Compatible Inverters    |   |

[1] DC Usable Energy. Test conditions: 100% DOD, 0.2C charge & discharge at + 77°F. System Usable Energy may vary with different inverter brands.

[2] Power derating will occur between 14°F and 41°F.

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