

## Battery-Box Premium HVM 2,76 kWh BYD

Product code: ME.Battery.BYD.02



BYD BOX PREMIUM HVM BATTERY - high-voltage battery with Lithium-Iron-Phosphate cell technology. The BYD Premium HVM kit connects 3 to 8 series-connected battery modules. The usable capacity of the kit ranges from 8.3 kWh to 22.1 kWh. BYD HVM allows the creation of a direct connection of 3 sets of Battery-Box Premium HVM in a parallel arrangement, ensuring a maximum kit capacity of 66.2 kWh.

### Product variants

Index	Price
<b>Battery-Box Premium HVM 2,76 kWh BYD</b> ME.Battery.BYD.02	Product prices only visible after login. If you do not have an account, please register.

### Product description

BYD Battery-Box Premium HVM - a high-voltage battery with Lithium-Iron-Phosphate cell technology. The BYD Premium HVM kit connects from 3 to 8 series-connected HVM battery modules. The usable capacity of the kit ranges from 8.3 kWh to 22.1 kWh. BYD HVM allows the direct connection of 3 Battery-Box Premium HVM kits in parallel, providing a maximum kit capacity of 66.2 kWh.

Key advantages of the Battery-Box Premium HVM:

Ready for emergency backup and off-grid operation

Achieves high performance through authentic high-voltage series connection

Utilizes a patented modular plug design, eliminating the need for internal wiring, ensuring maximum flexibility and

ease of use

Utilizes cobalt-free Lithium-Iron-Phosphate (LFP) battery for maximum safety, durability, and power

Compatible with leading high-voltage battery inverters, both single-phase and three-phase

Availability of two different modules covering the full range of system sizes

Meets the highest safety standards, such as VDE 2510-50

Technical characteristics of the battery module:

Nominal voltage: 51.2V DC

Nominal capacity: 2760Wh

Usable capacity: 2760Wh

Nominal charging current: 40A

Maximum charging current: 40A

Nominal discharge current: 40A

Maximum discharge current: 75A

Optimal number of charging cycles: 6000

Connecting a hybrid inverter to the BYD Battery-Box Premium energy storage system ensures efficient management of charging and electricity consumption. This enables optimal storage and utilization of energy generated by your own photovoltaic installations, even during periods of low sunlight.

This configuration increases the use of self-generated energy and reduces reliance on conventional power sources. In areas with increased energy demand, such as small businesses, multiple energy storage systems can operate simultaneously.

The BYD Battery-Box Premium HVS 2.56 kWh battery guarantees the maintenance of 60% of Usable Energy for 10 years from the Warranty Start Date or achieving the Minimum Energy Efficiency, depending on what occurs earlier. The product should be operated according to BYD's operating instructions. The Warranty Start Date is the sales date documented on the seller's invoice. This ensures reliability, durability, and long-term power supply certainty.