

## Battery-Box Premium HVS 2,56 kWh BYD

Product code: ME.Battery.BYD.01



BYD BOX PREMIUM HVS BATTERY - high-voltage battery with Lithium-Iron-Phosphate cell technology. The BYD Premium HVS kit connects 2 to 5 series-connected battery modules. The usable capacity of the kit ranges from 5.12 kWh to 12.8 kWh. BYD HVS allows the creation of a direct connection of 3 sets of Battery-Box Premium HVS in a parallel arrangement, ensuring a maximum kit capacity of 38.4 kWh.

### Product variants

Index	Price
<b>Battery-Box Premium HVS 2,56 kWh BYD</b> ME.Battery.BYD.01	Product prices only visible after login. If you do not have an account, please register.

### Product description

BATTERY BYD BOX PREMIUM HVS is a high-voltage battery utilizing Lithium Iron Phosphate (LiFePO4) cell technology. The BYD Premium HVS kit combines 2 to 5 serially connected HVS battery modules. The usable capacity of the kit ranges from 5.12 kWh to 12.8 kWh. BYD HVS allows for the direct connection of 3 sets of Battery-Box Premium HVS units in a parallel configuration, providing a maximum kit capacity of 38.4 kWh.

Key advantages of the Battery-Box Premium HVS:

Ready for emergency backup creation and off-grid operation

Achieving maximum performance through genuine high-voltage serial connection

Utilization of a patented modular plug design, eliminating the need for internal wiring, ensuring maximum flexibility

and ease of use

Use of cobalt-free Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery ensuring maximum safety, durability, and power

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

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

Meeting the highest safety standards such as VDE 2510-50

Technical characteristics of the battery module:

Nominal voltage: 102.4V DC

Nominal capacity: 2560Wh

Usable capacity: 2560Wh

Nominal charging current: 25A

Maximum charging current: 25A

Nominal discharge current: 25A

Maximum discharge current: 50A

Optimal charging cycles: 6000

Hybrid inverter connection with the BYD Battery-Box Premium energy storage system ensures efficient management of charging and electricity consumption. This allows for optimal storage and use of energy generated by own photovoltaic installations, even during periods of low sunlight.

Such configuration increases the utilization of produced energy for own needs and reduces reliance on conventional power sources. In areas with increased energy demand, such as small businesses, simultaneous operation of multiple energy storage systems is possible.

The BYD Battery-Box Premium HVS 2.56 kWh battery guarantees maintaining 60% of Usable Energy for 10 years from the Warranty Start Date or achieving Minimal Energy Efficiency, whichever comes first. The product should be operated according to BYD's 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.