

BATTERY-BOX PREMIUM LVS

- Scalable from 4 kWh to 256 kWh
- Maximum Flexibility for any Application with up to 64 Modules Connected in Parallel
- Compatible with Market Leading 1 and 3 Phase Inverters
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle and Power
- Capable of High-Powered Emergency-Backup and Off-Grid Function
- Patented Internal Plug Design Requires No Additional Wiring
- Self-Consumption Optimization for Residential and Commercial Applications



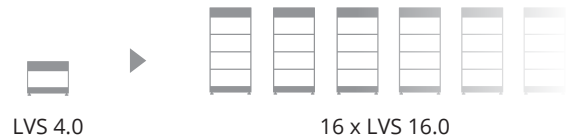
BATTERY-BOX PREMIUM LVS

- 4 kWh Module
- Modular Design Simplifies Transport and Installation

The BYD Battery-Box Premium LVS is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery-Box Premium LVS contains between 1 to 6 battery modules LVS stacked in parallel and can reach 4 to 24.0 kWh usable capacity in one tower:

- Battery-Box LVS 4.0 (4 kWh)
- Battery-Box LVS 8.0 (8 kWh)
- Battery-Box LVS 12.0 (12 kWh)
- Battery-Box LVS 16.0 (16 kWh)
- Battery-Box LVS 20.0 (20 kWh - single tower only)
- Battery-Box LVS 24.0 (24 kWh - single tower only)

Connect up to 16 Battery-Box LVS 16.0 in parallel for a maximum size of 256 kWh. Ability to scale by adding LVS modules or parallel towers of 1 to 4 modules later.



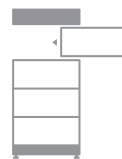
FLEXIBLE, EFFICIENT, SIMPLE



Internal Plug Connection
No Additional Wiring Required



4 - 256 kWh
Tailored Sizing for Each Application









Extend Anytime
Easily Adapts to New Requirements



High Power
Power for Every Application

TECHNICAL PARAMETERS PREMIUM LVS

| |  |  |  |  |  |  |
|------------------------------|---|---|---|--|---|---|
| | LVS 4.0 | LVS 8.0 | LVS 12.0 | LVS 16.0 | LVS 20.0 | LVS 24.0 |
| Battery Module | LVS (4 kWh, 51.2 V, 45 kg) | | | | | |
| Number of Modules | 1 | 2 | 3 | 4 | 5 | 6 |
| Usable Energy [1] | 4 kWh | 8 kWh | 12 kWh | 16 kWh | 20 kWh | 24 kWh |
| Max Cont. Output Current [2] | 65 A | 130 A | 195 A | 250 A | 250 A | 250 A |
| Peak Output Current [2] | 90 A, 5 s | 180 A, 5 s | 270 A, 5 s | 360 A, 5 s | 360 A, 5 s | 360 A, 5 s |
| Dimensions (H/W/D) | 478 x 650 x 298 mm | 711 x 650 x 298 mm | 944 x 650 x 298 mm | 1177 x 650 x 298 mm | 1410 x 650 x 298 mm | 1643 x 650 x 298 mm |
| Weight | 64 kg | 109 kg | 154 kg | 199 kg | 244 kg | 289 kg |
| Nominal Voltage | 51.2 V | | | | | |
| Operating Voltage | 40-57.6 V | | | | | |
| Operating Temperature | -10 °C to +50°C | | | | | |
| Battery Cell Technology | Lithium Iron Phosphate (cobalt-free) | | | | | |
| Communication | CAN / RS485 | | | | | |
| Enclosure Protection Rating | IP55 | | | | | |
| Round-Trip Efficiency | ≥95% | | | | | |
| Scalability [3] | Max. 64 Modules in Parallel (256 kWh) | | | | Single Tower Only | |
| Certification | VDE2510-50 / IEC62619 / CE / CEC / UN38.3 | | | | | |
| Applications | ON Grid / ON Grid + Backup / OFF Grid | | | | | |
| Warranty [4] | 10 Years | | | | | |
| Compatible Inverters | Refer to BYD Battery-Box Premium LVS Minimum Configuration List | | | | | |

[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] Charge derating will occur between -10 °C and +5 °C

[3] Parallel tower function only available for 1 to 4 battery modules per tower. LVS 20.0 and LVS 24.0 can only be used as a single tower.

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

