The BYD Battery-Box is a lithium iron phosphate (LiFePO₄) battery for usage with an external inverter. Thanks to its modular design the Battery grows with its requirements:

- **Battery-Box H5.0** (5.12 kWh)
- **Battery-Box H7.5** (7.68 kWh)
- **Battery-Box H10.0** (10.24 kWh)

All systems can be extended with the battery modules **B-Plus H 2.5** at any time. In direct series connection of 2 - 4 battery modules, one Battery-Box HV can reach up to 10.24 kWh (usable).

The battery for all applications - in direct High Voltage

- From 5.1 kWh to 10.2 kWh
- 200 - 450 V to use as high-voltage battery
- Emergency-backup through high power
- Maximum efficiency thanks to real series connection
- Lithium iron phosphate Battery: Maximum security, cycle-stability and power
- Patented wireless plug-in design
- 1 and 3 phase systems

**Backup**

**Self-consumption optimization**

**Commercial applications**

**Battery-Box HV**

- Flexible 2.56 kWh modules
- Modular design for easy transport and installation (max weight single part: 38 kg)

**Flexible. Efficient. Simple**

- **Easy plug-in installation** Without any cables
- **Extend anytime** Adapt to new requirements
- **1 C power** Power for all applications
### Technical parameters

<table>
<thead>
<tr>
<th>Battery-Box</th>
<th>Battery-Box</th>
<th>Battery-Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5.0</td>
<td>H7.5</td>
<td>H10.0</td>
</tr>
<tr>
<td><strong>Battery module</strong></td>
<td>B-Plus H 2.5 (2.56 kWh, 38 kg)</td>
<td>2 modules</td>
</tr>
<tr>
<td><strong>Usable Energy [1]</strong></td>
<td>5.12 kWh</td>
<td>7.68 kWh</td>
</tr>
<tr>
<td><strong>Max Output power</strong></td>
<td>5.12 kW</td>
<td>7.68 kW</td>
</tr>
<tr>
<td><strong>Peak Output power</strong></td>
<td>7.17 kW, 10 s</td>
<td>10.75 kW, 10 s</td>
</tr>
<tr>
<td><strong>Round-Trip Efficiency</strong></td>
<td>≥95.3 % [1]</td>
<td></td>
</tr>
<tr>
<td><strong>Nominal Voltage</strong></td>
<td>204 V</td>
<td>307 V</td>
</tr>
<tr>
<td><strong>Operating Voltage Range</strong></td>
<td>160~225 V</td>
<td>240~338 V</td>
</tr>
<tr>
<td><strong>Communication</strong></td>
<td>RS485 / CAN</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions (W/H/D)</strong></td>
<td>590 x 758 x 350 mm 23.22 x 29.84 x 13.78 inch</td>
<td>590 x 994 x 350 mm 23.72 x 39.13 x 13.78 inch</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>95 kg</td>
<td>133 kg</td>
</tr>
<tr>
<td><strong>Enclosure Protection Rating</strong></td>
<td>IP55</td>
<td></td>
</tr>
<tr>
<td><strong>Installation location</strong></td>
<td>Indoor and outdoor, ground / Wall mounting [2]</td>
<td></td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>10 years</td>
<td></td>
</tr>
<tr>
<td><strong>Operating temperature [3]</strong></td>
<td>14°F to 122°F (-10 °C to +50°C)</td>
<td></td>
</tr>
<tr>
<td><strong>Certification &amp; Safety Standard</strong></td>
<td>UL1642 / UL1973 / FCC / UN38.8</td>
<td></td>
</tr>
<tr>
<td><strong>Compatible inverters [4]</strong></td>
<td>Refer to BYD Battery-Box Compatible Inverter List</td>
<td></td>
</tr>
<tr>
<td><strong>Application [4]</strong></td>
<td>ON Grid (Self consumption / Battery Backup /Backup)</td>
<td></td>
</tr>
</tbody>
</table>

---

[1] Test conditions: 100% DOD, 0.2C charge & discharge at 77°F (+ 25 °C). System Usable Energy may be variant with different inverter brands
[2] Wall mounted accessories are optional, coming soon
[3] 14°F to 53°F (-10 °C to 12 °C) will be derating
[4] Detailed information refer to BYD Battery-Box Minimum Configuration List. More brands to be announced