

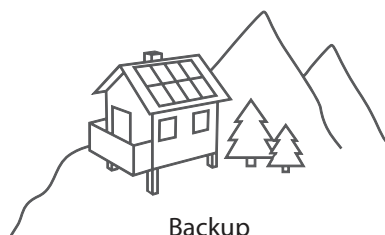


Battery-Box HV



The battery for all applications - in direct High Voltage

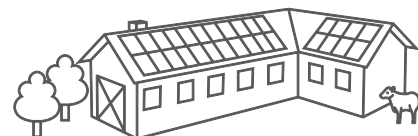
- From 5.1 kWh to 10.2 kWh
- 200 - 450 V to use as high-voltage battery
- Emergency-backup through high power
- Maximum efficiency thanks to real series connection
- Lithium iron phosphate Battery: Maximum security, cycle-stability and power
- Patented wireless plug-in design
- 1 and 3 phase systems



Backup

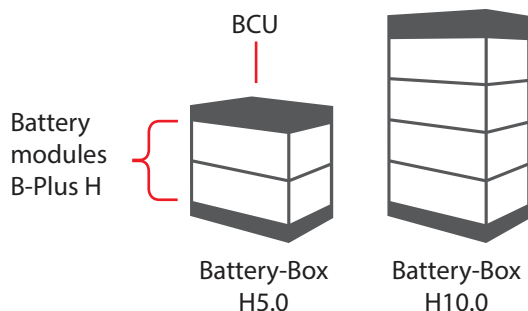


Self-consumption optimization



Commercial applications

Battery-Box HV



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

The BYD Battery-Box is a lithium iron phosphate (LiFePO_4) battery for usage with an external inverter. Thanks to its modular design the Battery grows with its requirements:

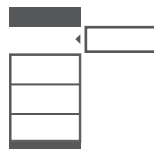
- **Battery-Box H5.0** (5.12 kWh)
- **Battery-Box H7.5** (7.68 kWh)
- **Battery-Box H10.0** (10.24 kWh)

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).

Flexible. Efficient. Simple



Easy plug-in installation
Without any cables

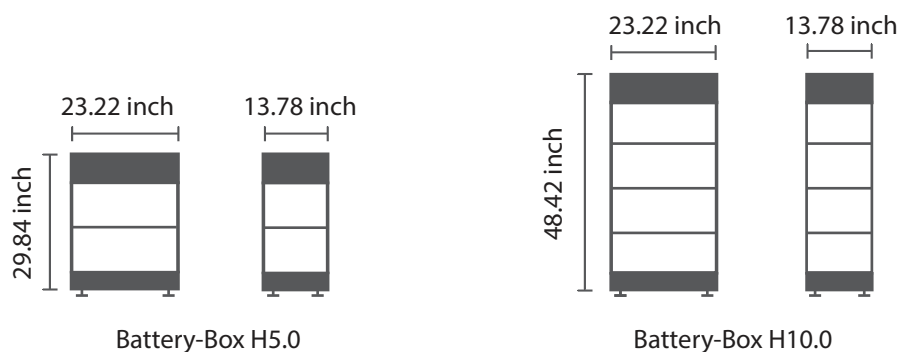


Extend anytime
Adapt to new requirements






1 C power
Power for all applications

Dimensions



Technical parameters

			
	Battery-Box H5.0	Battery-Box H7.5	Battery-Box H10.0
Battery module	B-Plus H 2.5 (2.56 kWh, 38 kg)		
	2 modules	3 modules	4 modules
Usable Energy [1]	5.12 kWh	7.68 kWh	10.24 kWh
Max Output power	5.12 kW	7.68 kW	10.24 kW
Peak Output power	7.17 kW, 10 s	10.75 kW, 10 s	14.34 kW, 10 s
Round-Trip Efficiency	≥95.3 % [1]		
Nominal Voltage	204 V	307 V	409 V
Operating Voltage Range	160~225 V	240~338 V	320~451 V
Communication	RS485 / CAN		
Dimensions (W/H/D)	590 x 758 x 350 mm 23.22 x 29.84 x 13.78 inch	590 x 994 x 350 mm 23.72 x 39.13 x 13.78 inch	590 x 1230 x 350 mm 23.22 x 48.42 x 13.78 inch
Weight	95 kg	133 kg	171 kg
Enclosure Protection Rating	IP55		
Installation location	Indoor and outdoor, ground / Wall mounting [2]		
Warranty	10 years		
Operating temperature [3]	14°F to 122°F (-10 °C to +50°C)		
Certification & Safety Standard	UL1642 / UL1973 / FCC / UN38.8		
Compatible inverters [4]	Refer to BYD Battery-Box Compatible Inverter List		
Application [4]	ON Grid (Self consumption / Battery Backup /Backup)		

[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

Your energy storage expert: