

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



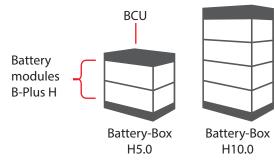


Self-consumption optimization



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 (LiFePQ) 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

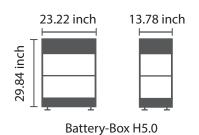


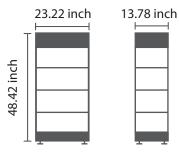
Extend anytime Adapt to new requirements



1 C power Power for all applications

BYD





Battery-Box H10.0

Technical parameters



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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 Peak Output power 7.17 kW, 10 s 10.75 kW, 10 s 14.34 kW, 10 s Round-Trip Efficiency ≥95.3 % [1] 200 V 307 V 409 V Nominal Voltage 204 V 307 V 409 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Communication RS485 / CAN 320~451 V 320~451 V Dimensions (W/H/D) 590 x 758 x 350 mm 23.22 x 29.84 x 13.78 inch 23.72 x 39.13 x 13.78 inch 23.22 x 48.42 x 13.78 inch Veight 95 kg 133 kg 171 kg Perclosure Protection Rating IP55 10 years Indoor and outdoor, ground / Wall mounting [2] 10 years Operating temperature [3] 14°F to 122°F (-10 °C to +50°C)		Battery-Box H5.0	Battery-Box H7.5	Battery-Box H10.0	
2 modules 3 modules 4 modules Jsable 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] 10.20 kWh 10.24 kW Nominal Voltage 204 V 307 V 409 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Wildy 590 x 758 x 350 mm 23.72 x 39.13 x 13.78 inch 23.22 x 48.42 x 13.78 inch Neight 95 kg 133 kg 171 kg <	Dettemumendule		B-Plus H 2.5 (2.56 kWh, 38 kg)		
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 Peak Output power 7.17 kW, 10 s 10.75 kW, 10 s 14.34 kW, 10 s Round-Trip Efficiency ≥95.3 % [1] 200 V 307 V 409 V Nominal Voltage 204 V 307 V 409 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Communication RS485 / CAN 320~451 V 2307 × 39.13 x 13.78 inch 23.22 x 29.84 x 13.78 inch 23.22 x 48.42 x 13.78 inch Dimensions (W/H/D) 590 x 758 x 350 mm 23.22 x 29.84 x 13.78 inch 23.72 x 39.13 x 13.78 inch 23.22 x 48.42 x 13.78 inch Veight 95 kg 133 kg 171 kg Enclosure Protection Rating IP55 10 years Indoor and outdoor, ground / Wall mounting [2] 10 years Operating temperature [3] 14°F to 122°F (-10 °C to +50°C)	Battery module	2 modules	3 modules	4 modules	
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 Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Operating Voltage Range 590 x 758 x 350 mm 23.72 x 39.13 x 13.78 inch 23.22 x 48.42 x 13.78 inch Veight 95 kg 133 kg 171 kg 171 kg Enclosure Protection Rating Indoor and outdoor, ground / Wall mounting [2] 10 years Varranty 10 years 10 years 14°F to 122°F (-10 °C to +50°C)	Usable Energy [1]	5.12 kWh	7.68 kWh	10.24 kWh	
Round-Trip Efficiency $\geq 95.3 \ \ [1]$ Nominal Voltage204 V $307 \ V$ $409 \ V$ Operating Voltage Range $160 \ 225 \ V$ $240 \ 338 \ V$ $320 \ 451 \ V$ Operating Voltage Range $160 \ 225 \ V$ $240 \ 338 \ V$ $320 \ 451 \ V$ CommunicationRS485 / CAN $RS485 \ CAN$ Dimensions (W/H/D) $590 \ 758 \ x \ 350 \ mm$ $590 \ x \ 994 \ x \ 350 \ mm$ $590 \ x \ 1230 \ x \ 350 \ mm$ Dimensions (W/H/D) $590 \ x \ 758 \ x \ 350 \ mm$ $590 \ x \ 994 \ x \ 350 \ mm$ $23.22 \ x \ 48.42 \ x \ 13.78 \ inch$ Neight $95 \ kg$ $133 \ kg$ $171 \ kg$ Inclosure Protection RatingIP55IP55Installation locationIndoor and outdoor, ground / Wall mounting [2]Narranty10 yearsOperating temperature [3] $14^\circ F \ to \ 122^\circ F \ (-10 \ ^\circ C \ to \ +50^\circ C)$	Max Output power	5.12 kW	7.68 kW	10.24 kW	
Nominal Voltage 204 V 307 V 409 V Operating Voltage Range 160~225 V 240~338 V 320~451 V Communication RS485 / CAN RS485 / CAN 100 mensions (W/H/D) 590 x 758 x 350 mm 23.22 x 29.84 x 13.78 inch 590 x 994 x 350 mm 23.22 x 48.42 x 13.78 inch 590 x 1230 x 350 mm 23.22 x 48.42 x 13.78 inch Veight 95 kg 133 kg 171 kg Enclosure Protection Rating IP55 IP55 Installation location Indoor and outdoor, ground / Wall mounting [2] IP56 Veranty 10 years 10 years Operating temperature [3] 14°F to 122°F (-10 °C to +50°C) IP50°C)	Peak Output power	7.17 kW, 10 s	10.75 kW, 10 s	14.34 kW, 10 s	
Operating Voltage Range160~225 V240~338 V320~451 VCommunicationRS485 / CANDimensions (W/H/D) $590 \times 758 \times 350$ mm 23.22 $\times 29.84 \times 13.78$ inch $590 \times 994 \times 350$ mm 23.72 $\times 39.13 \times 13.78$ inch $590 \times 1230 \times 350$ mm 23.22 $\times 48.42 \times 13.78$ inchWeight95 kg133 kg171 kgEnclosure Protection RatingIP55Installation locationIndoor and outdoor, ground / Wall mounting [2]Warranty10 yearsOperating temperature [3]14°F to 122°F (-10 °C to +50°C)	Round-Trip Efficiency		≥95.3 % [1]		
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 Veight 95 kg 133 kg 171 kg Enclosure Protection Rating IP55 Indoor and outdoor, ground / Wall mounting [2] Varranty 10 years Operating temperature [3] 14°F to 122°F (-10 °C to +50°C)	Nominal Voltage	204 V	307 V	409 V	
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] Varranty 10 years Operating temperature [3] 14°F to 122°F (-10 °C to +50°C)	Operating Voltage Range	160~225 V	240~338 V	320~451 V	
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Warranty10 yearsOperating temperature [3]14°F to 122°F (-10 °C to +50°C)	Enclosure Protection Rating		IP55		
Operating temperature [3]14°F to 122°F (-10 °C to +50°C)	Installation location	Indoor and outdoor, ground / Wall mounting [2]			
	Warranty		10 years		
Certification & Safety Standard III 1642 / III 1973 / ECC / IIN38 8	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	Compatible inverters [4]				
Application [4] ON Grid (Self consumption / Battery Backup /Backup)) /Backup)				

[1] Test conditions: 100% DOD, 0.2C charge & discharge at 77°F (+ 25 °C). System Usable Energy may be variant with diffrent 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: