

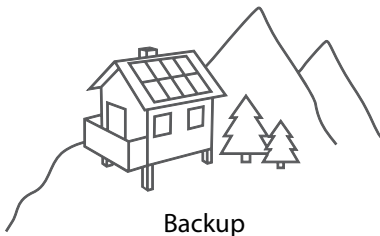


Battery-Box HV

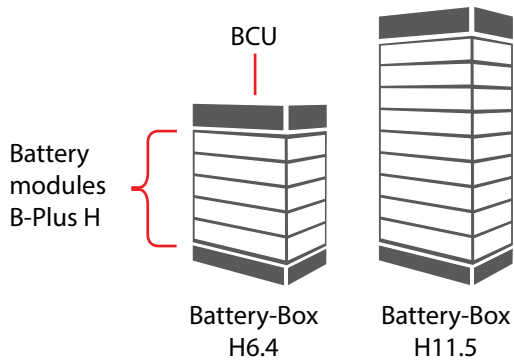


The battery for all applications - in direct High Voltage

- From 6.4 kWh to 57.6 kWh
- 200 - 500 V to use as high-voltage battery
- Emergency-backup through high power (1 - 2 C)
- 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



Battery-Box HV



- Flexible 1.28 kWh modules
- Modular design for easy transport and installation (max weight single part: 26 kg)

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 H6.4** (6.40 kW / 6.40 kWh)
 - **Battery-Box H7.7** (7.68 kW / 7.68 kWh)
 - **Battery-Box H9.0** (8.96 kW / 8.96 kWh)
 - **Battery-Box H10.2** (10.24 kW / 10.24 kWh)
 - **Battery-BOX H11.5** (11.52 kW / 11.52 kWh)
- All systems can be extended with the battery modules **B-Plus H** at any time. In direct series connection of 5 - 9 battery modules, one Battery-Box HV can reach up to 11.52 kWh (usable). By parallel connection of up to 5 Battery-Box HV, **57.6 kWh** can be reached (coming soon).

Flexible. Efficient. Simple

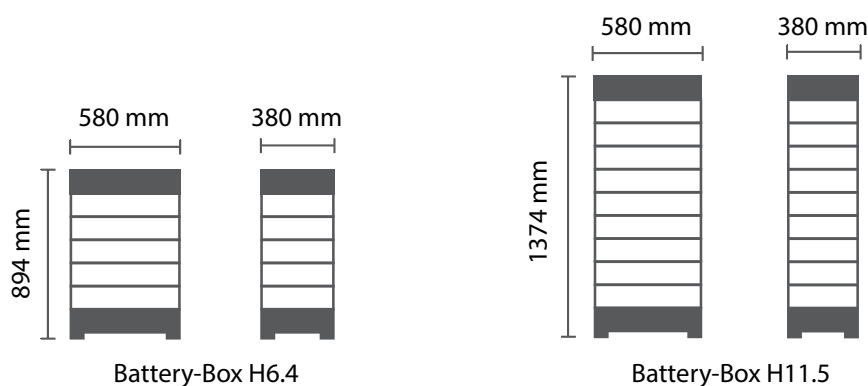
Easy plug-in installation
Without any cables

6.4 - 57.6 kWh
Tailor to each individual case

Extend anytime
Adapt to new requirements

1 - 2 C power
Power for all applications

Dimensions



Technical parameters



	Battery-Box H 6.4	Battery-Box H 7.7	Battery-Box H 9.0	Battery-Box H 10.2	Battery-Box H 11.5
Battery module	B-Plus H 1.28 (1.28kWh)				
	5 modules	6 modules	7 modules	8 modules	9 modules
Usable Energy [1]	6.40 kWh	7.68 kWh	8.96 kWh	10.24 kWh	11.52 kWh
Max Output Power	6.40 kW	7.68 kW	8.96 kW	10.24 kW	11.52 kW
Peak Output Power	12.80 kW, 5 mins	15.36 kW, 5 mins	17.92 kW, 5 mins	20.48 kW, 5 mins	23.04 kW, 5 mins
Round-Trip Efficiency	≥95.3 % [1]				
Nominal Voltage	256 V	307 V	358 V	409 V	460 V
Operating Voltage Range	200~282 V	240~338 V	280~395 V	320~451 V	360~500 V
Communication	RS485 / CAN				
Dimensions (W/H/D)	580 x 894 x 380 mm	580 x 1014 x 380 mm	580 x 1134 x 380 mm	580 x 1254 x 380 mm	580 x 1374 x 380 mm
Weight	148 kg	174 kg	200 kg	226 kg	252 kg
Enclosure Protection Rating	IP55				
Warranty	10 years				
Operating temperature [2]	-10 °C to +50°C				
Certification & Safety Standard	UL1642 / TUV(IEC62619) / CE / RCM / UN38.3 / Sicherheitsleitfaden Li-Ionen-Hausspeicher				
Scalability	To be announced				
Compatible Inverters	SMA (5-8 modules) / Kostal / Fronius (coming soon) and more brands to be announced				
Application	ON Grid / ON Grid + Backup (Refer to BYD Minimum Configuration List)				

[1] Test conditions: 100% DOD, 0.2C charge & discharge at + 25 °C; System Usable Energy may be variant with different inverter brands

[2] -10 °C to 10 °C will be derating

Your energy storage expert:

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