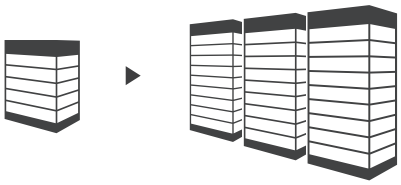
Battery-Box HV

The Battery-Box HV is the first real high voltage battery that comes with a flexible and modular design with no cables inside. One Battery-Box HV contains 4 to 9 battery modules B-Plus H 1.28 in series connection and reaches up to 11.52 kWh usable capacity.

The parallel connection of up to 3 identical Battery-Box HV allows a maximum capacity of 34.5 kWh (coming soon).



	Battery-Box H 5.1	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	4 modules	5 modules	B-Plus H 1.28 (1.28kWh, 26 kg) 6 modules	7 modules	8 modules	9 modules
Usable Energy [1]	5.12 kWh	6.40 kWh	7.68 kWh	8.96 kWh	10.24 kWh	11.52 kWh
Max Output Power	5.12 kW	6.40 kW	7.68 kW	8.96 kW	10.24 kW	11.52 kW
Peak Output Power	10.24 kW, 30 s	12.80 kW, 30 s	15.36 kW, 30 s	17.92 kW, 30 s	20.48 kW, 30 s	23.04 kW, 30 s
Round-Trip Efficiency	≥95.3 % [1]					
Nominal Voltage	204 V	256 V	307 V	358 V	409 V	460 V
Operating Voltage Range	160~225 V	200~282 V	240~338 V	280~395 V	320~451 V	360~500 V
Communication	RS485 / CAN					
Dimensions (W/H/D)	580 x 774 x 380 mm	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	122 kg	148 kg	174 kg	200 kg	226 kg	252 kg
Enclosure Protection Rating	IP55					
Warranty [2]	10 years					
Operating temperature [3]	-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 [4]	SMA (4-8 modules) / Kostal / Fronius (5-9 modules) / Goodwe / Ingeteam					
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] Conditions apply. Refer to BYD Battery-Box Warranty Letter.
[3] -10 °C to +12 °C will be derating
[4] Detailed and updated information refer to BYD Battery-Box Inverter Compatible List. More brands to be announced.