

# 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.



	Battery-Box H 5.1(AU)	Battery-Box H 6.4(AU)	Battery-Box H 7.7(AU)	Battery-Box H 9.0(AU)	Battery-Box H 10.2(AU)	Battery-Box H 11.5(AU)
Battery module	B-Plus H 1.28 (1.28kWh, 26 kg)					
	4 modules	5 modules	6 modules	7 modules	8 modules	9 modules
Usable Energy <sup>[1]</sup>	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	10.20 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	CAN / RS485					
Dimensions (W/H/D)	580 x 814 x 380 mm	580 x 937 x 380 mm	580 x 1060 x 380 mm	580 x 1183 x 380 mm	580 x 1306 x 380 mm	580 x 1429 x 380 mm
Net Weight	123 kg	149 kg	175 kg	201 kg	227 kg	253 kg
Enclosure Protection Rating	IP55					
Warranty <sup>[2]</sup>	10 years					
Operating temperature <sup>[3]</sup>	-10 °C to +50°C					
Certification & Safety Standard	UL1642 / TUV(IEC62619) / CE / RCM / UN38.3 / Sicherheitsleitfaden Li-Ionen-Hausspeicher					
Compatible Inverters <sup>[4]</sup>	SMA (4-8 modules) / Kostal(4-9 modules) / Fronius (5-9 modules) / Goodwe(4-9 modules) / Ingeteam(5 modules)					
Application	ON Grid (Self consumption / On Grid + Backup / Backup)					

[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 information refer to BYD Battery-Box Inverter Compatible List, and more brands to be announced.