

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 5 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 5 identical Battery-Box HV allows a maximum capacity of 57.6 kWh.



	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	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)				