

Battery-Box LV

The Battery-Box LV is a 48V battery with a flexible and modular design with no cables inside. One Battery-Box LV contains up to 4 battery modules B-Plus L 3.5 in parallel connection and achieves capacities between 3.5 and 14.0 kWh (usable).

By connecting up to 3 Battery-Box LV in parallel, the capacity can be chosen individually in 3.5 kWh steps from 3.5 kWh to a maximum of 42.0 kWh.



	Battery-Box L 3.5	Battery-Box L 7.0	Battery-Box L 10.5	Battery-Box L 14.0
	B-Plus L 3.5 (3.5 kWh, 42 kg)			
Battery module	1 module	2 modules	3 modules	4 modules
Usable Energy ^[1]	3.5 kWh	7.0 kWh	10.5 kWh	14.0 kWh
Max Output Power	3.0 kW	6.0 kW	9.0 kW	10.0 kW
Peak Output Power	5.0 kW, 10 s	10.0 kW, 10 s	15.0 kW, 10 s	15.0 kW, 10 s
Round-Trip Efficiency	≥95 % [1]			
Nominal Voltage	51.2 V			
Operating Voltage Range	40~59.2 V			
Communication	CAN / RS485			
Dimensions (W/H/D)	620 x 497 x 355 mm	620 x 733 x 355 mm	620 x 968x 355 mm	620 x 1205 x 355 mm
Net Weight	65 kg	107 kg	149 kg	191 kg
Enclosure Protection Rating	IP55			
Warranty ^[2]	10 years			
Operating temperature ^[3]	-10 °C to +50°C			
Certification & Safety Standard	TUV(IEC62619) / CE / RCM / UN 38.3 / Sicherheitsleitfaden Li-Ionen-Hausspeicher			
Scalability	Max. 3 systems in parallel / 42 kWh			
Compatible Inverters ^[4]	SMA / GOODWE / Victron / Sungrow / Solis			
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 Compatible Inverter List, and more brands to be announced.