

# 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)			
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	≥95.3 % [1]			
Nominal Voltage	51.2 V			
Operating Voltage Range	40~59.2 V			
Communication	RS485 / CAN			
Dimensions (W/H/D)	620 x 475 x 340 mm	620 x 711 x 340 mm	620 x 947x 340 mm	620 x 1183 x 340 mm
Weight	65 kg	108 kg	151 kg	194 kg
Enclosure Protection Rating	IP55			
Warranty	10 years			
Operating temperature [2]	-10 °C to +50°C			
Certification & Safety Standard	UN 38.3/ UL1642, is currently being certified: TUV(IEC62619) / CE / RCM / VDE2510 / Sicherheitsleitfaden			
Scalability	Max. 3 systems in parallel / 42 kWh			
Compatible Inverters	SMA / GOODWE / Victron / Sungrow / Selectronic, 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

[2] -10 °C to 10 °C will be derating