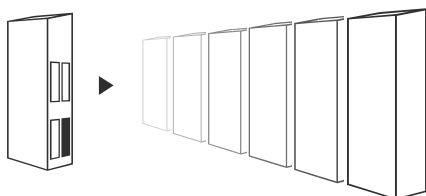


# Battery-Box Res

Battery-Box Res 2.5-10.0 has an enclosure protection rating of IP55 and consists of the battery module B-Plus L 2.5 with 2.56 kWh usable capacity each. Up to 4 B-Plus L 2.5 modules can fit into one cabinet, and up to 8 cabinets can be put into parallel connection. Thus capacities from 2.56 to 81.92 kWh can be chosen individually in 2.56 kWh steps.



	Battery-Box Res 2.5	Battery-Box Res 5.0	Battery-Box Res 7.5	Battery-Box Res 10.0
	<b>B-Plus L 2.5 (2.56kWh, 39 kg)</b>			
Battery module	1 module	2 modules	3 modules	4 modules
Usable Energy <sup>[1]</sup>	2.56 kWh	5.12 kWh	7.68 kWh	10.24 kWh
Max Output Power <sup>[2]</sup>	2.56 kW	5.12 kW	5.12 kW	5.12 kW
Peak Output Power <sup>[2]</sup>	5.12 kW, 30 s	10.24 kW, 10 s	15.36 kW, 5 s	20.48 kW, 2 s
Max Output Power <sup>[3]</sup>	2.56 kW	5.12 kW	7.68 kW	10.24 kW
Peak Output Power <sup>[3]</sup>	5.12 kW, 30 s	10.24 kW, 30 s	15.36 kW, 30 s	20.48 kW, 30 s
Round-Trip Efficiency	≥95.3 % [1]			
Nominal Voltage	51.2 V			
Operating Voltage Range	43.2~56.4 V			
Interfaces	CAN / RS485			
Dimensions (W/H/D)	600 x 1650 x 335 mm			
Net Weight	104 kg	143 kg	182 kg	221 kg
Enclosure Protection Rating	IP55			
Warranty <sup>[4]</sup>	10 years			
Operating temperature <sup>[5]</sup>	-10 °C to +50°C			
Certification & Safety Standard	TUV (IEC62619) / CE / RCM / UN38.3			
Scalability	Max. 32 B-Plus 2.5 in parallel / 81.92 kWh			
Compatible Inverters <sup>[6]</sup>	SMA / GOODWE / Victron / Sungrow / Selectronic / Solis , more to be announced			
Application	ON Grid (Self consumption / ON Grid + Backup / Backup) and Off Grid			

[1] Test conditions: 100% DOD, 0.2C charge & discharge @+25°C. System Usable Energy may be variant with different inverter brands

[2] Max current capability of main circuit breaker.

[3] Bypass the main circuit breaker and use a separate circuit breaker with higher current capability in off-grid application

[4] Conditions apply. Refer to BYD Battery-Box Warranty Letter.

[5] -10 °C to +12°C will be derating

[6] Detailed information refer to BYD Battery-Box Compatible Inverter List