

# BYD B-Box BATTERY STORAGE

## B-Box LV Residential



Model	B-Box Res 2.5	B-Box Res 5.0	B-Box Res 7.5	B-Box Res 10.0
Battery Type	LiFePO <sub>4</sub>			
Battery Module	B-Plus 2.5 (2.56 kWh)			
	1 module	2 modules	3 modules	4 modules
Usable Energy <sup>[1]</sup> [kWh]	2.56	5.12	7.68	10.24
Max Output Power <sup>[2]</sup> [kW]	2.56	5.12	5.12	5.12
Peak Output Power <sup>[2]</sup> [kW]	5.12, 30s	5.12, 30s	15.36, 5s	20.48, 2s
Max Output Power <sup>[3]</sup> [kW]	2.56	5.12	7.68	10.24
Peak Output Power <sup>[3]</sup> [kW]	5.12, 30s	10.24, 30s	15.36, 30s	20.48, 30s
Round-Trip Efficiency	≥95.3% (Under test condition [1] )			
Nominal Voltage[V]	51.2			
Operating Voltage Range [V]	43.2~56.4			
Communication	CAN / RS485			
Dimension [W × H × D, mm]	620×1650×335			
Net Weight [kg]	103	137	171	205
Enclosure Protection Rating	IP55			
Warranty	10 years			
Ambient Temperature Range <sup>[4]</sup> [°C]	-10 ~ +50			
Certification & Safety Standard	TUV / CE / RCM / UN38.3			
Scalability	Max. 8 B-Box Res 10.0 systems in parallel			
Compatible Inverters	SMA / GOODWE / SOLAX / Victron, more brands to be announced			

[1] Test conditions: 100% DOD, 0.5C charge & discharge @+25°C

[2] Max current of main circuit breaker

[3] Bypass main circuit breaker and use a separate circuit breaker

[4] -10°C ~ 10°C will be derating

\*System Usable Energy may be variant with different inverter brands

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