

Energy for tomorrow

Official partner of BYD

BYD B-Box After-Sales-Service

B-Box 2.5 - 10.0 B-Plus 2.5



The battery for all applications

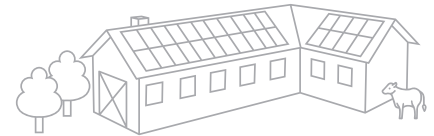
- From 2,5 to 80 kWh
- Flexible 2,5 kWh module
- Emergency-backup through high discharge power
- 1 and 3 phase systems
- Upgrade anytime
- Lithium iron phosphate battery: Maximum safety, cycle-stability and power



OFF-Grid



Increased self-consumption



Commercial applications

B-Box 2.5 to B-Box 10.0



- Flexible combination of capacity
- Modular design simplifies transport and installation (19" plug-in units)

The BYD B-Box is a lithium iron phosphate (LiFePO_4) battery unit with battery management system (BMS) for usage with an external inverter or charger. Thanks to its modular design B-Box grows with its requirements.:

- **B-Box 2.5** (2,5 kW/2,45 kWh)
- **B-Box 5.0** (5,0 kW/4,9 kWh)
- **B-Box 7.5** (7,5 kW/7,35 kWh)
- **B-Box 10.0** (10,0 kW/9,8 kWh)

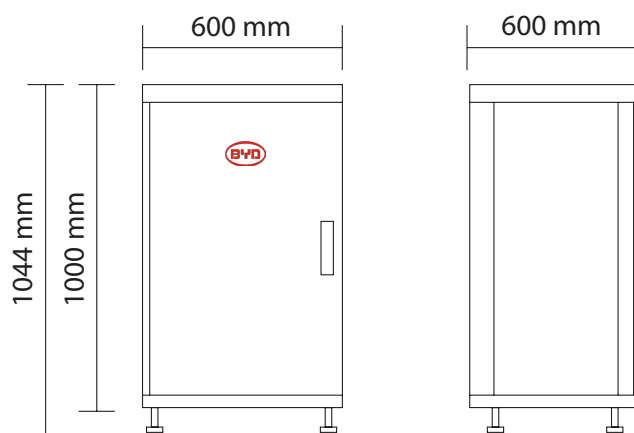
All systems can be extended with the battery modules **B-Plus 2.5** at any time. This way in parallel interconnection up to 10 kWh (9,8 kWh usable) per cabinet and 80 kWh in 8 cabinets (78,4 kWh usable) are possible.

B-Plus 2.5



- CE and TÜV certified BYD B-Plus 2.5 module (U3A1-50P-A)
- Proven and tested in telecommunications and energy storage applications worldwide
- Environment-friendly, high-performance LiFePO_4 battery technology

Dimensions



Technical parameters



	B-Box 2.5	B-Box 5.0	B-Box 7.5	B-Box 10.0	B-Plus 2.5
Battery type	Lithium iron phosphate (LiFePO ₄)				
Battery configuration	1 x B-Plus 2.5 (50 Ah; 51,2 V)	2 x B-Plus 2.5 (50 Ah; 51,2 V)	3 x B-Plus 2.5 (50 Ah; 51,2 V)	4 x B-Plus 2.5 (50 Ah; 51,2 V)	Battery module 50 Ah; 51,2 V
Usable capacity	2,45 kWh	4,9 kWh	7,35 kWh	9,8 kWh	2,45 kWh
Nominal output	max. 2,5 kW	max. 5 kW	max. 7,5 kW	max. 10 kW	max. 2,5 kW
Nominal voltage	51,2 V _{DC}				
Efficiency	> 97%				
Battery management	Yes				
Active balancing	Yes				
Voltage range	48,8-57,6 V				
Interfaces	RS485/CAN				
No. of cycle	>6.000 (+25°C; 0,4C)				
Storage temperature	-20°C to +55°C				
Storage period	12 months at +25 °C, 6 months at +35 °C, 3 months at +45 °C; while storing or inactive state of battery, charge every 6 months				
Operating temperature	0°C to +50°C				
Altitude above mean sea level	< 2.000 m				
Warranty	10 years warranty for > 80 % usable capacity at a maximum of one full cycle per day				
Certifications	UL1642 for cell, TÜV and CE for battery module, EMC (EN 61 000 chapter 4.2, 4.3, 4.5, 4.6; EN55022), dangerous goods (UN3480, UN38.3) Safety Guidelines - Li-ion Home Battery Storage Systems, Version 1.0E (TÜV)				
IP protection class	IP20				
Dimensions (W/D/H)	600 x 600 x 1044 mm				483 x 490 x 130 mm
Weight	88 kg	126 kg	164 kg	202 kg	38 kg
Scalable	Up to 80 kWh (78,4 kWh usable)				

Your energy storage expert: