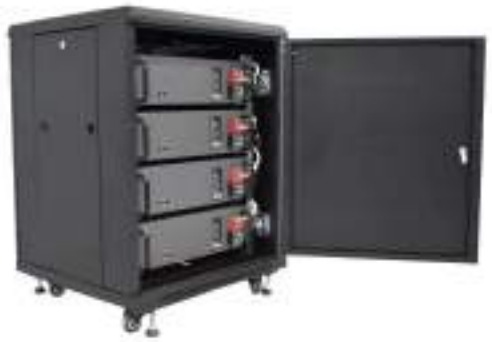
BATTERY-BOX LV FLEX

- Perfect 3U Format Modular Battery Offering Flexibility and Simple Installation.
- Scalable from 5 kWh to 320 kWh.
- Maximum Flexibility for any Application with up to 64 Modules Connected in Parallel.
- Compatible with Market Leading 1 and 3 Phase Inverters.
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Lifespan and Power.
- Capable of High-Powered Emergency-Backup and Off-Grid Function.
- Self-Consumption Optimization for Residential and Commercial Applications.



BATTERY-BOX LV FLEX

The BYD Battery-Box LV Flex is a lithium iron phosphate (LFP) battery module for use with an external inverter. The communications with the inverter is established through the Battery-Box Premium LV BMU (Battery Management Unit). Up to 64 LV Flex Modules in parallel can be managed by one BMU.

1 x LV Flex

64 x LV Flex

TECHNICAL PARAMETERS — **LV Flex**

Usable Energy [1]	5.0 kWh
Max Cont. Output Current [2]	70 A
Peak Output Current [2]	105 A, 5 s
Dimensions (H/W/D)	132x 482 x 525 mm
Weight	47 kg
Nominal Voltage	51.2 V
Operating Voltage	43.2 -57.6 V
Operating Temperature	-10 °C to +50°C
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
Communication	CAN
Enclosure Protection Rating	IP20
Round-trip Efficiency	≥95%
Scalability	Max. 64 in Parallel (320 kWh)
Certification	IEC62619 / CE / UN38.3 / IEC62040/ CEC
Applications	ON Grid / ON Grid + Backup / OFF Grid
Compatible Inverters	Refer to BYD Battery-Box LV Flex Minimum Configuration List
Nominal Capacity	5.0 kWh
Rated DC Power	3.6 kW
Max Charge and Discharge Power	5.4 kW
Max Charge and Discharge Current	105 A
Short Circuit Current	2500 A

OPTIONAL ACCESSORIES — Pre-wired LV Flex Cabinet

Capacity	Maximum 4 modules in one cabinet
Weight	35 kg
Dimension (W/D/H)	600x 600x 800 mm
Warranty	Three years
Enclosure Protection Rating	IP20

[1] DC Usable Energy, test conditions: 100% DOD, 0.2 C charge & discharge at + 25 °C. System Usable Energy may vary with different inverter brands.
[2] Charge derating will occur between -10 °C and +15 °C.

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