

# BATTERY-BOX PREMIUM LVS

- Scalable from 4 kWh to 256 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, Life Cycle and Power
- Capable of High-Powered Emergency-Backup and Off-Grid Function
- Patented Internal Plug Design Requires No Additional Wiring
- Self-Consumption Optimization for Residential and Commercial Applications



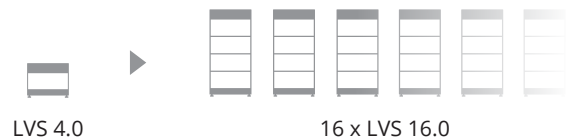
## BATTERY-BOX PREMIUM LVS

- 4 kWh Module
- Modular Design Simplifies Transport and Installation

The BYD Battery-Box Premium LVS is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery-Box Premium LVS contains between 1 to 6 battery modules LVS stacked in parallel and can reach 4 to 24.0 kWh usable capacity in one tower:

- Battery-Box LVS 4.0 (4 kWh)
- Battery-Box LVS 8.0 (8 kWh)
- Battery-Box LVS 12.0 (12 kWh)
- Battery-Box LVS 16.0 (16 kWh)
- Battery-Box LVS 20.0 (20 kWh - single tower only)
- Battery-Box LVS 24.0 (24 kWh - single tower only)

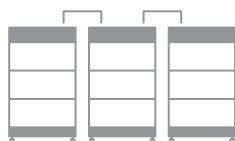
Connect up to 16 Battery-Box LVS 16.0 in parallel for a maximum size of 256 kWh. Ability to scale by adding LVS modules or parallel towers of 1 to 4 modules later.



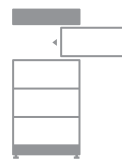
## FLEXIBLE, EFFICIENT, SIMPLE



**Internal Plug Connection**  
No Additional Wiring Required



**4 - 256 kWh**  
Tailored Sizing for Each Application









**Extend Anytime**  
Easily Adapts to New Requirements



**High Power**  
Power for Every Application

## TECHNICAL PARAMETERS PREMIUM LVS

						
	LVS 4.0	LVS 8.0	LVS 12.0	LVS 16.0	LVS 20.0	LVS 24.0
Battery Module	LVS (4 kWh, 51.2 V, 45 kg)					
Number of Modules	1	2	3	4	5	6
Usable Energy [1]	4 kWh	8 kWh	12 kWh	16 kWh	20 kWh	24 kWh
Max Cont. Output Current [2]	65 A	130 A	195 A	250 A	250 A	250 A
Peak Output Current [2]	90 A, 5 s	180 A, 5 s	270 A, 5 s	360 A, 5 s	360 A, 5 s	360 A, 5 s
Dimensions (H/W/D)	528 x 650 x 298 mm	761 x 650 x 298 mm	994 x 650 x 298 mm	1227 x 650 x 298 mm	1460 x 650 x 298 mm	1693 x 650 x 298 mm
Weight	64 kg	109 kg	154 kg	199 kg	244 kg	289 kg
Nominal Voltage	51.2 V					
Operating Voltage	40-57.6 V					
Operating Temperature	-10 °C to +50°C					
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)					
Communication	CAN / RS485					
Enclosure Protection Rating	IP55					
Round-Trip Efficiency	≥95%					
Scalability [3]	Max. 64 Modules in Parallel (256 kWh)				Single Tower Only	
Certification	VDE2510-50 / IEC62619 / CE / CEC / UN38.3					
Applications	ON Grid / ON Grid + Backup / OFF Grid					
Warranty [4]	10 Years					
Compatible Inverters	Refer to BYD Battery-Box Premium LVS Minimum Configuration List					

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

[2] Charge derating will occur between -10 °C and +5 °C

[3] Parallel tower function only available for 1 to 4 battery modules per tower. LVS 20.0 and LVS 24.0 can only be used as a single tower.

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



# BATTERY-BOX PREMIUM LVL (2021)

- Scalable from 15.4 to 983 kWh
- Compatible with 1 and 3 Phase Inverters
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle, and Power
- Capable of High-Powered Back-up and Off-Grid Function
- Space Saving via the Ability to Stack 2 Premium Batteries
- Add Additional Batteries in Parallel to Expand the System



## BATTERY-BOX PREMIUM LVL (2021)

The BYD Battery-Box Premium LVL is a lithium iron phosphate (LFP) battery for use with an external inverter.

Thanks to its control and communication unit (BMU), the Battery-Box Premium LVL scales to meet the project requirements, no matter how large they may be. Start with Battery-Box Premium LVL15.4 (15.36 kWh) and extend later to 983 kWh using parallel interconnection of up to 64 batteries.

The version LVL (2021) is fully compatible with older LVL versions and brings additional advantages like an even easier installation.



## FLEXIBLE, EFFICIENT, SIMPLE



**Easy Installation**  
With Easy Transportation



**15.4 - 983 kWh**  
Tailored Sizing for Each Application



**Extend Anytime**  
Easily Adapts to New Requirements



**High Power**  
Power for Every Application

## TECHNICAL PARAMETERS PREMIUM LVL (2021)



**LVL15.4 (2021)**

Number of Modules	2
Usable Energy [1]	15.36 kWh
Max Cont. Output Current [2]	250 A
Peak Output Current [2]	375 A, 5 s
Dimensions (H/W/D)	660 x 650 x 575 mm
Weight	168 kg
Nominal Voltage	51.2 V
Operating Voltage	40-57.6 V
Operating Temperature	-10 °C to +50°C
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
Communication	CAN/RS485
Enclosure Protection Rating	IP20
Round-trip Efficiency	≥95%
Scalability	Max. 64 in Parallel (983 kWh)
Certification	IEC62619 / CE / CEC / UN38.3
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty [3]	10 Years
Compatible Inverters	Refer to BYD Battery-Box Premium LVL Minimum Configuration List

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at + 25 °C. System usable energy may vary due to system configuration parameters.

[2] Charge derating will occur between -10 °C and +5 °C

[3] Conditions apply. Refer to BYD Battery-Box Premium Limited Warranty Letter.



# BATTERY-BOX PREMIUM LVS LITE

- Scalable from 4 kWh to 32 kWh
- Maximum Flexibility for any Application with up to 8 Modules Connected in Parallel
- Compatible with Market Leading Inverters
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle and Power
- Capable of High-Powered Emergency-Backup Function
- Patented Internal Plug Design Requires No Additional Wiring
- Self-Consumption Optimization for Residential Applications



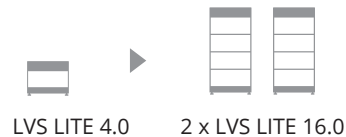
## BATTERY-BOX PREMIUM LVS LITE

- 4 kWh Module
- Modular Design Simplifies Transport and Installation

The BYD Battery-Box Premium LVS Lite is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery-Box Premium LVS Lite contains between 1 to 4 battery modules LVS Lite stacked in parallel and can reach 4 to 16.0 kWh usable capacity in one tower:

- Battery-Box LVS Lite 4.0 (4 kWh)
- Battery-Box LVS Lite 8.0 (8 kWh)
- Battery-Box LVS Lite 12.0 (12 kWh)
- Battery-Box LVS Lite 16.0 (16 kWh)

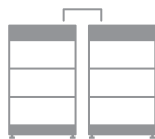
Connect up to 2 Battery-Box LVS Lite 16.0 in parallel for a maximum size of 32 kWh. Ability to scale by adding LVS Lite modules or parallel towers of 1 to 4 modules.



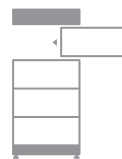
## FLEXIBLE, EFFICIENT, SIMPLE



**Internal Plug Connection**  
No Additional Wiring Required



**4 - 32 kWh**  
Tailored Sizing for Each Application



**Extend Anytime**  
Easily Adapts to New Requirements



**High Power**  
Power for Every Application







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## TECHNICAL PARAMETERS PREMIUM LVS LITE

	 LVS LITE 4.0	 LVS LITE 8.0	 LVS LITE 12.0	 LVS LITE 16.0
Battery Module	LVS LITE (4 kWh, 51.2 V, 45 kg)			
Number of Modules	1	2	3	4
Usable Energy [1]	4 kWh	8 kWh	12 kWh	16 kWh
Max Cont. Output Current [2]	50 A	100 A	150 A	200 A
Peak Output Current [2]	75 A, 5 s	150 A, 5 s	225 A, 5 s	300 A, 5 s
Dimensions (H/W/D)	528 x 650 x 298 mm	761 x 650 x 298 mm	994 x 650 x 298 mm	1227 x 650 x 298 mm
Weight	64 kg	109 kg	154 kg	199 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 / RS485			
Enclosure Protection Rating	IP55			
Round-Trip Efficiency	≥95%			
Scalability [3]	Max. 8 Modules in Parallel (32 kWh)			
Certification	IEC 62040/ IEC 62619 / UN38.3			
Applications	ON Grid / ON Grid + Backup			
Warranty [4]	10 Years			
Compatible Inverters	Refer to BYD Battery-Box Premium LVS Lite Minimum Configuration List			

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at + 25 °C. System Usable Energy may vary due to system configuration parameters.

[2] Charge derating will occur between -10 °C and +5 °C

[3] Parallel tower function only available for 1 to 4 battery modules per tower.

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



# BATTERY-BOX PREMIUM HVS / HVM



- Capable of High-Powered Emergency-Backup and Off-Grid Functionality
- Highest Efficiency Thanks to a Real High-Voltage Series Connection
- The Patented Modular Plug Design Requires no Internal Wiring and Allows for Maximum Flexibility and Ease of Use
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle, and Power
- Compatible with Leading 1 and 3 Phase High Voltage Battery Inverters
- Two Distinct Modules to Cover the Complete Range of System Sizes
- Highest Safety Standards like VDE 2510-50

## BATTERY-BOX PREMIUM HVS

One Battery-Box Premium HVS is composed of 2 to 5 HVS battery modules that are connected in series to achieve a usable capacity of 5.1 to 12.8 kWh.

Additionally, direct parallel connection of up to 3 identical Battery-Box Premium HVS allows a maximum capacity of 38.4 kWh.

Ability to scale by adding HVS modules or parallel HVS stacks later.

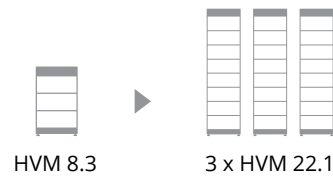


## BATTERY-BOX PREMIUM HVM

One Battery-Box Premium HVM is composed of 3 to 8 HVM battery modules that are connected in series to achieve a usable capacity of 8.3 to 22.1 kWh.

Additionally, direct parallel connection of up to 3 identical Battery-Box Premium HVM allows a maximum capacity of 66.2 kWh.

Ability to scale by adding HVM modules or parallel HVM stacks later.



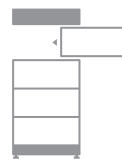
## FLEXIBLE, EFFICIENT, SIMPLE



**Internal Plug Connection**  
No Additional Wiring Required



**5.1 - 66.2 kWh**  
Tailored Sizing for Each Application










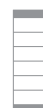
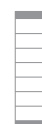

**Extend Anytime**  
Easily Adapts to New Requirements



**High Power**  
Power for Every Application

## TECHNICAL PARAMETERS PREMIUM HVS / HVM

	 HVS 5.1	 HVS 7.7	 HVS 10.2	 HVS 12.8
Battery Module	HVS (2.56 kWh, 102.4 V, 38 kg)			
Number of Modules	2	3	4	5
Usable Energy [1]	5.12 kWh	7.68 kWh	10.24 kWh	12.8 kWh
Max Output Current [2]	25 A	25 A	25 A	25 A
Peak Output Current [2]	50 A, 3 s	50 A, 3 s	50 A, 3 s	50 A, 3 s
Nominal Voltage	204.8 V	307.2 V	409.6 V	512 V
Operating Voltage	160~240 V	240~360 V	320~480 V	400~600 V
Dimensions (H/W/D)	762x585x298 mm	995x585x298 mm	1228x585x298 mm	1461x585x298 mm
Weight	91 kg	129 kg	167 kg	205 kg

	 HVM 8.3	 HVM 11.0	 HVM 13.8	 HVM 16.6	 HVM 19.3	 HVM 22.1
Battery Module	HVM (2.76 kWh, 51.2 V, 38 kg)					
Number of Modules	3	4	5	6	7	8
Usable Energy [1]	8.28 kWh	11.04 kWh	13.80 kWh	16.56 kWh	19.32 kWh	22.08 kWh
Max Output Current [2]	50 A	50 A	50 A	50 A	50 A	50 A
Peak Output Current [2]	75 A, 3 s	75 A, 3 s	75 A, 3 s	75 A, 3 s	75 A, 3 s	75 A, 3 s
Nominal Voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
Operating Voltage	120~177 V	160~236 V	200~295 V	240~354 V	280~413 V	320~472 V
Dimensions (H/W/D)	995 x 585 x 298 mm	1228 x 585 x 298 mm	1461 x 585 x 298 mm	1694 x 585 x 298 mm	1927 x 585 x 298 mm	2160 x 585 x 298 mm
Weight	129 kg	167 kg	205 kg	243 kg	281 kg	319 kg

### HVS & HVM

Operating Temperature	-10 °C to +50°C
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
Communication	CAN/RS485
Enclosure Protection Rating	IP55
Round-trip Efficiency	≥96%
Certification	VDE2510-50 / IEC62619 / CEC / CE / UN38.3
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty [3]	10 Years
Compatible Inverters	Refer to BYD Battery-Box Premium HVS / HVM Compatible Inverter List

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

[2] Power derating will occur between -10 °C and +5 °C

[3] Conditions apply. Refer to BYD Battery-Box Premium Limited Warranty Letter.



# BATTERY-MAX LITE

- Modular concept with flexible capacity from 30 kWh to 5.76 MWh
- Compatible with leading inverter partners: Flexibility to combine the best components for the individual application
- Open battery interface to be integrated into any energy system
- Ultra safe (LFP) Blade Battery technology from the market leader: Maximum Safety, Life Cycle, and Power
- Easy to install. Compact, standardized outdoor cabinet
- Self consumption of renewable energy
- Powerboost and EV Charging Optimization
- Peak Shaving
- Back-Up and Off-Grid

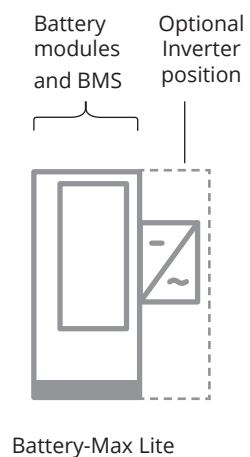


## BATTERY-MAX LITE

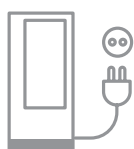
The Battery-Max Lite is the storage system that provides Commercial and Industrial (C&I) consumers with all performance they're looking for while also being easy to use and safe. It brings to the C&I field the strengths of the Battery-Box: plug and play design, safe battery chemistry, and top technical performance.

The Battery-Max Lite is designed to be „the“ battery in your energy system. By pairing with top-tier external inverters and offering an open interface for easy system integration, the Battery-Max Lite activates a vast number of business models. For instance, combining with renewable resources to maximize self-consumption, manage consumption peaks, backup or provide energy in other special use cases.

One Battery-Max Lite provides capacities of 30 to 90 kWh. Connecting up to 64 Battery-Max Lite in parallel allows for system capacities up to 5.76 MWh. The standardized outdoor design, allows for an easy and flexible positioning with optional hangers on the side for the inverter.



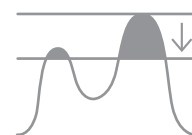
## FLEXIBLE, EFFICIENT, SIMPLE



Easy plug-in installation



10 years capacity warranty



Wide application range

## TECHNICAL PARAMETERS LITE



LITE 30   LITE 37.5   LITE 45   LITE 52.5   LITE 60   LITE 67.5   LITE 75   LITE 82.5   LITE 90

Battery Module	LITE Module (7.5 kWh, 76.8 V, 65 kg)								
Number of Modules	4	5	6	7	8	9	10	11	12
Usable Energy [1]	30 kWh	37.5 kWh	45 kWh	52.5 kWh	60 kWh	67.5 kWh	75 kWh	82.5 kWh	90 kWh
Nominal Voltage	307 V	383 V	460 V	537 V	614 V	691 V	767 V	844 V	921 V
Operating Voltage	259 ~ 355 V	324 ~ 444 V	389 ~ 532V	453 ~ 621 V	518 ~ 710 V	583 ~ 799 V	648 ~ 888 V	712 ~ 976 V	777 ~ 1065 V
Weight	660 kg	725 kg	790 kg	855 kg	920 kg	985 kg	1050 kg	1115 kg	1180 kg
Dimensions (H/W/D)	2100 x 1100 x 1400 mm								
Max Output Current [2]	100 A								
Peak Output Current [2]	170 A, 3s								
Operating Temperature	-20 °C to +50°C								
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)								
Communication	CAN / RS485(Modbus TCP)								
Enclosure Protection Rating	IP55								
Round-trip Efficiency	≥95%								
Certification	CE, UL 1973, UN 38.3, IEC 62619, UL9540 A								
Applications	ON Grid / ON Grid + Backup / OFF Grid / Black Start / Start from AC / Pre-charge Circuit								
Warranty [3]	Max 10 Years								
Compatibilities	Refer to BYD Battery-Max Lite Compatibility List								

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at + 25 °C. System usable energy may vary due to system configuration parameters.

[2] Power derating will occur between -20 °C and +5 °C

[3] Conditions apply. Refer to BYD Battery-Max Lite Limited Warranty Letter.



# BATTERY-BOX PREMIUM HVL (US)

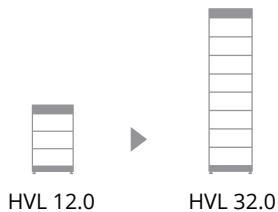


- Capable of High-Powered Emergency-Backup and Off-Grid Functionality
- Highest Efficiency Thanks to a Real High-Voltage Series Connection
- The Patented Modular Plug Design Requires no Internal Wiring and Allows for Maximum Flexibility and Ease of Use
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle, and Power
- Compatible with Leading High Voltage Battery Inverters
- Highest Safety Standards

## BATTERY-BOX PREMIUM HVL

One Battery-Box Premium HVL is composed of 3 to 8 HVL battery modules that are connected in series to achieve a usable capacity of 12 to 32 kWh.

Ability to scale by adding HVL modules later.



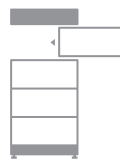
## FLEXIBLE, EFFICIENT, SIMPLE



**Internal Plug Connection**  
No Additional Wiring Required



**12 - 32 kWh**  
Tailored Sizing for Each Application









**Extend Anytime**  
Easily Adapts to New Requirements



**High Power**  
Power for Every Application

## TECHNICAL PARAMETERS PREMIUM HVL

						
	HVL 12.0	HVL 16.0	HVL 20.0	HVL 24.0	HVL 28.0	HVL 32.0
Battery Module	HVL (4 kWh, 51.2 V, 99.2 lb)					
Number of Modules	3	4	5	6	7	8
Usable Energy [1]	12 kWh	16 kWh	20 kWh	24 kWh	28 kWh	32 kWh
Max Output Current [2]	50 A	50 A	50 A	50 A	50 A	50 A
Peak Output Current [2]	75 A, 3 s	75 A, 3 s	75 A, 3 s	75 A, 3 s	75 A, 3 s	75 A, 3 s
Nominal Voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
Operating Voltage	120~173 V	160~230 V	200~288 V	240~345 V	280~403 V	320~460 V
Dimensions (H/W/D)	39.2 x 23.0 x 11.7 inch	48.3 x 23.0 x 11.7 inch	57.5 x 23.0 x 11.7 inch	66.7 x 23.0 x 11.7 inch	75.9 x 23.0 x 11.7 inch	85.0 x 23.0 x 11.7 inch
Weight	330.7 lb	429.9 lb	529.1 lb	628.3 lb	727.5 lb	826.7 lb
Operating Temperature	14 °F to 122 °F					
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)					
Communication	CAN/RS485					
Enclosure Protection Rating	NEMA 3R					
Round-trip Efficiency	≥96%					
Certification	UL1973 / IEC60730 / FCC / UN38.3					
Applications	ON Grid / ON Grid + Backup / OFF Grid					
Warranty [3]	10 Years					
Compatible Inverters	Refer to BYD Battery-Box Premium HVL Compatible Inverter List					

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 77 °F. System usable energy may vary due to system configuration parameters.

[2] Charge derating will occur between 14 °F and 41 °F

[3] Conditions apply. Refer to BYD Battery-Box Premium Limited Warranty Letter.



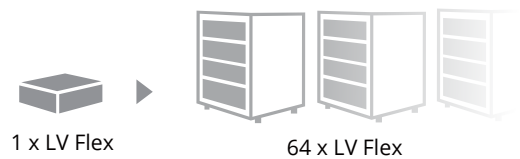
# BATTERY-BOX LV FLEX

- 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.



## 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

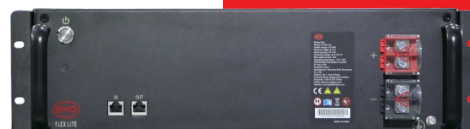
Capacity	Maximum 4 modules in one cabinet
Weight	35 kg
Dimension (W/D/H)	600x 600x 800 mm
Warranty	Three years
Enclosure Protection Rating	IP20

[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.



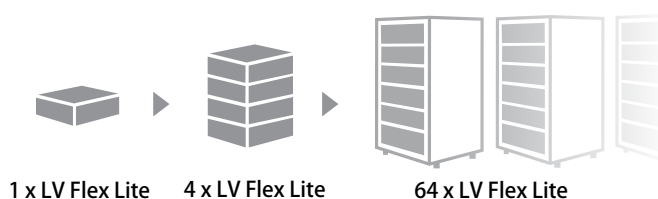
# BYD BATTERY-BOX LV FLEX LITE

- Perfect Battery for bespoke Projects and Integrated Systems
- 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



## BYD BATTERY-BOX LV Flex Lite

The BYD Battery-Box LV Flex Lite is a lithium iron phosphate (LFP) battery pack for use with an external inverter. The communication with the inverter is established through the Battery-Box Premium LV BMU (Battery Management Unit). Connect up to 64 LV Flex Lite Modules in parallel on one BMU to reach individual capacities between 5 and 320 kWh. Thanks to its 3U design, the LV Flex Lite can adapt to off-the-shelf racking systems. And with the possibility of stacking up to 4 units or installing them vertically, the LV Flex Lite provides a variety of options for bespoke housing designs.



## TECHNICAL PARAMETERS LV Flex Lite



LV Flex Lite

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 521 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
Applications	ON Grid / ON Grid + Backup / OFF Grid
Compatible Inverters	Refer to BYD Battery-Box LV Flex Lite Minimum Configuration List
Installation method	With / Without Rack

[1] DC Usable Energy, test conditions: 100% DOD, 0.2C charge & discharge at +25 ° C. System usable energy may vary due to system configuration parameters.  
 [2] Charge derating will occur between -10 ° C and +15 ° C.



# BATTERY-BOX COMMERCIAL

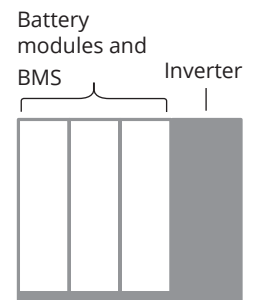
- 2 Size Options: 131 kWh and 233 kWh
- Compact, Easy to Install
- Renewable Self Consumption
- Time-of-Use
- Peak Shaving



## BATTERY-BOX COMMERCIAL

The Battery-Box Commercial is the storage system that provides Commercial and Industrial (C&I) consumers with all performance they're looking for while also being easy to use and safe. For the first time it brings to the C&I field the strengths of the Battery-Box: plug and play design, safe battery chemistry, and top technical performance.

The Battery-Box Commercial is designed to be the core of your energy system. Not only pairing it with renewable resources to maximize self-consumption, but also to manage consumption peaks or provide energy in special use cases.



Battery-Box Commercial  
C130

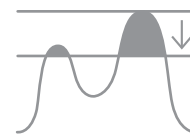
## FLEXIBLE, EFFICIENT, SIMPLE



Easy plug-in installation





10 years capacity warranty



Intelligent energy management

## TECHNICAL PARAMETERS **COMMERCIAL**

	 <b>C130</b>	 <b>C230</b>
Usable Energy [1]	131 kWh	233 kWh
Max Output Current [2]	150 A	250 A
Nominal Voltage	729.6 V	777.6 V
Operating Voltage	638.4~820.8 V	680.4~874.8 V
Operating Temperature	-10°C to +50°C	
Communication	RS485 / CAN	
Dimensions (H/W/D)	2200x2600x600mm	2200x3200x600mm
Weight System	1751 kg	2593 kg
Weight Battery Module	64 kg	72 kg
Weight Battery / Inverter Rack	129 / 225 kg	
Cells	Lithium Iron Phosphate (cobalt-free)	
Enclosure Protection Rating	IP20	
Battery Module Certification	UN38.3	
Certification compliance	CE, IEC62619	
Compatible Inverters	REFUstore 88k	
Application	Peak Shaving / Time-of-Use / Self Consumption	
Warranty [3]	Maximum 10-year Performance Warranty, 5-year Product Warranty	

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

[2] Charge and discharge derating will occur between -10 °C and 0 °C

[3] Conditions apply. Refer to BYD Battery-Box Commercial Limited Warranty Letter.

