



**Battery  
Box**

# BATTERYBOX LV FLEX



## KEY FEATURES



### Safety

LFP cells developed in-house  
Proven in millions of EVs



### Reliability

LFP expertise since 2002  
1M+ systems in 100+ countries



### Easy Installation

Pre-wired cabinet  
3U format modular battery



### Perfect Compatibility

Compatible with leading single  
& three phase inverters

## BATTERYBOX LV FLEX



1 x LV Flex



4 x LV Flex



64 x LV Flex



# TECHNICAL PARAMETERS LV FLEX








## PERFORMANCE

### LV FLEX

Battery Type	Lithium Iron Phosphate (LiFePO4)
Nominal Capacity	5.0 kWh
Usable Energy <sup>[1]</sup>	5.0 kWh
Max Cont. Output Current	70 A
Peak Output Current <sup>[2]</sup>	105 A, 5 s
Nominal Voltage	51.2 V
Operating Voltage	43.2 - 57.6 V
Rated DC Power	3.6 kW
Max. Charge and Discharge Power	5.4 kW
Max. Charge and Discharge Current	105 A
Short Circuit Current	270 A
Round-trip Efficiency	≥ 95%

## GENERAL DATA

Dimensions(H/W/D) <sup>[3]</sup>	132 x 482 x 525 mm
Weight	47 kg
Operating Temperature	-10°C to +50°C
Communication	CAN
Protection Rating	IP20
Environment	Indoor
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty	10 Years
Compatible Inverters	    <b>GOODWE</b> <b>Deye</b> 
Certification	IEC62619 / CE / UN38.3 / IEC62040 / CEC

[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 +15°C.

[3] This dimension represents the maximum size of the product, which includes the dimensions of the handle and limit structures. The dimensions of the product's main body are 131mm x 441mm x 461mm.

Australian Importer: BYD AUSTRALIA PTY LTD

Country of Manufacture: People's Republic of China

BYD Lithium Battery Co.,Ltd

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