BYD Energy Storage

BATTERY-BOX
LV5.0



KEY FEATURES

Safety
LFP cells developed in-house
Proven in millions of EVs

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

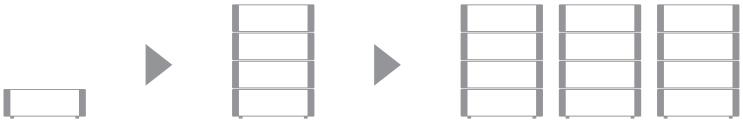
High Usable Capacity
100% usable capacity

Flexibility
Modular design
Expandable anytime

Intelligent Management
Monitoring and analysis
Remote diagnosis and OTA

One-button Adaptation
One-click auto-configuration
of compatible inverters

BATTERY-BOX LV5.0



LV5.0 | 4 x LV5.0 | 4 x LV5.0 x 8

Maximum capacity of
160 kWh

TECHNICAL PARAMETERS **LV5.0**



PERFORMANCE	LV5.0
Usable Energy [1]	5 kWh
Max.Charge and Discharge Current [2][3]	70 A
Peak Charge and Discharge Current [3]	200 A,10 s
Dimensions(H/W/D)	195 x 595 x 255 mm
Weight	42 kg
Nominal Voltage	51.2 V
Operating Voltage	40 - 57.6 V
Charge Cut-Off Voltage	57.6 V
Discharge Cut-Off Voltage	40 V
Scalability	Max. 32 in Parallel (160 kWh)
Installation Mode	Floor Stand
Communication	CAN / RS485 / Bluetooth / Wi-Fi
Round-trip Efficiency	≥ 95%
Applications	On Grid / On Grid + Backup / Off Grid
Operating Temperature	Charge 0~50°C & Discharge -20~50°C
IP Class	IP20
Storage Humidity	5%~95%
Altitude	< 4000 m
Certification	CE / IEC62619 / UN38.3
Compatible Inverters	victron energy, Deye, solis, SMA, Voltronic Power, GOODWE, MEGAREVO

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

[2] Charge derating will occur between 0°C and +10°C.

[3] The current varies with different compatible inverters.

BYD Lithium Battery Co.,Ltd

Global Sales: batteryboxgrp@byd.com
Global Service: bboxservice1@fdbatt.com

Battery-Box EU Service Partner

EFT-Systems GmbH
www.eft-systems.de
info@eft-systems.de

Battery-Box AU Service Partner

Alps Power Pty Ltd
www.alpspower.com.au
service@alpspower.com.au

Battery-Box US Service

BYD America LLC
626-491-2333
us.homeenergy@byd.com