BYD Energy Storage

BATTERY-BOX
HVM+



KEY FEATURES

Ultra Safety
LFP expertise since 2002
1M+ systems in 100+ countries
Safety design from cell to pack

Intelligent Management
Automatic SOC adjustment
Remote diagnosis and OTA

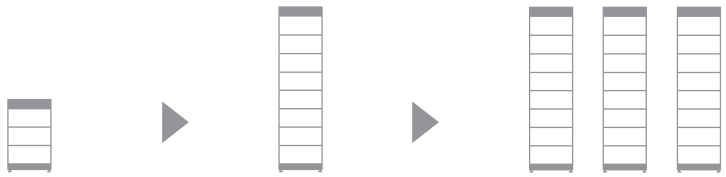
High Performance
High current
Max. continuous charge/discharge current 50A

Flexibility
Modular design
Built-in balancing optimizer
Extend anytime at any SOC

Easy Installation
Patented internal plug connection
Smart configuration
Quick and flexible wiring

Perfect Compatibility
Compatible with leading single
& three phase inverters

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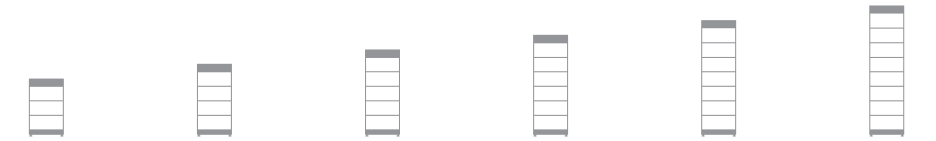


HVM+ 8.3 | HVM+ 22.1 | 3 x HVM+ 22.1

Maximum capacity of

66.2 kWh

TECHNICAL PARAMETERS **HVM+**



HVM+ 8.3 | HVM+ 11.0 | HVM+ 13.8 | HVM+ 16.6 | HVM+ 19.3 | HVM+ 22.1

PERFORMANCE

Battery Module	HVM+ Module (2.76 kWh, 51.2 V, 41.4 kg)					
Number of Modules	3	4	5	6	7	8
Nominal Battery Energy [1]	8.28 kWh	11.04 kWh	13.80 kWh	16.56 kWh	19.32 kWh	22.08 kWh
Usable Energy [2]	8.28 kWh	11.04 kWh	13.80 kWh	16.56 kWh	19.32 kWh	22.08 kWh
Nominal Voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
Operating Voltage	120 ~ 172.8 V	160 ~ 230.4 V	200 ~ 288 V	240 ~ 345.6 V	280 ~ 403.2 V	320 ~ 460.8 V
Rated DC Power	7.68 kW	10.24 kW	12.80 kW	15.36 kW	17.92 kW	20.48 kW
Max. Charge/Discharge Power	7.68 kW	10.24 kW	12.80 kW	15.36 kW	17.92 kW	20.48 kW
Dimensions (H/W/D) [3]	987 x 610 x 282 mm	1227 x 610 x 282 mm	1467 x 610 x 282 mm	1707 x 610 x 282 mm	1947 x 610 x 282 mm	2187 x 610 x 282 mm
Weight	138.3 kg	179.7 kg	221.1 kg	262.5 kg	303.9 kg	345.3 kg

GENERAL DATA

Max. Charge/Discharge Current	50 A
Peak Output Current [4]	80 A, 15 s
Scalability	Max. 3 in Parallel (66.2 kWh)
Installation Mode	Floor installation
Communication	CAN / RS485
Round-trip Efficiency	≥ 95%
Applications	ON Grid / ON Grid + Backup / OFF Grid
Operating Temperature	-10°C to +50°C
IP Class	IP55
Storage Humidity	5% ~ 95%
Altitude	< 3000 m
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
Warranty [5]	10 Years
Certificationt	VDE 2510-50 / IEC 62619 / CE / UKCA / UN 38.3

[1] When the depth of discharge (DoD) is 100%, the Nominal Battery Energy is the same as Usable Energy.
[2] DC Usable Energy, Test conditions: 100% DoD, 0.2C charge & discharge at + 25°C. System Usable Energy may vary with different inverter brands.
[3] The battery system height includes the feet, and the height of the feet is 45 mm.
[4] The maximum charge / discharge current may vary depending on temperature, battery state of charge (SOC), and the connected inverter.
[5] Conditions apply. Refer to BYD Battery-Box HVM+ Limited Warranty Letter.

NOTE

A: 2.76kWh is the initial capacity (designed) of the Energy Storage Module.
B: The actual capacity is affected by the external environment (such as temperature, transportation, and storage).

Australian Importer: BYD AUSTRALIA PTY LTD

Country of Manufacture: People's Republic of China

BYD Lithium Battery Co., Ltd.

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

EU Service Partner

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

AU Service Partner

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