



BATTERY-BOX HVE



KEY FEATURES



Space Saving

One of the thinnest batteries in the world
with a thickness of only 140mm
Saving more space



Intelligence

Compatible with BYD inverters and APP,
integrated system for remote diagnosis and OTA



Ultra Safety

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



Flexibility

2 varied capacity modules
Flexible 12 capacity options



Easy Installation

Patented internal plug connection
Plug-and-play



Convenience

Wall- & floor-mounted
installation options

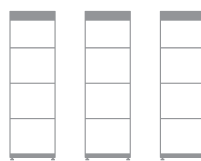
BATTERY-BOX HVE



HVE 4.2 / 6.4



HVE 23.6



3 x HVE 23.6

Maximum capacity of

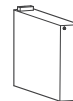
70.92 kWh



TECHNICAL PARAMETERS HVE



HVE 4.2 Module



HVE 6.4 Module

BATTERY MODULE	4.29 kWh, 76.8 V, 347 x 660 x 140 mm, 42.1 kg			6.45 kWh, 115.2 V, 499 x 660 x 140 mm, 61.1 kg		
PERFORMANCE	HVE 6.4	HVE 8.5	HVE 10.7	HVE 12.9	HVE 12.8	HVE 15.0
Number of Modules	1(6)	2(4+4)	2(4+6)	2(6+6)	3(4+4+4)	3(4+4+6)
Usable Energy ^[1]	6.45 kWh	8.58 kWh	10.74 kWh	12.90 kWh	12.87 kWh	15.03 kWh
Operating Voltage	90 ~ 131.4 V	120 ~ 175.2 V	150 ~ 219 V	180 ~ 262.8 V	180 ~ 262.8 V	210 ~ 306.6 V
Dimensions(H/W/D)(mm) ^[2]	709 x 660 x 140	901 x 660 x 140	1054 x 660 x 140	1208 x 660 x 140	1247 x 660 x 140	1400 x 660 x 140
Weight	71.6 kg	94.7 kg	113.7 kg	132.7 kg	136.8 kg	155.8 kg

	HVE 17.1-1	HVE 19.3-1	HVE 17.1-2	HVE 19.3-2	HVE 21.4	HVE 23.6
Number of Modules	3(4+6+6)	3(6+6+6)	4(4+4+4+4)	4(4+4+4+6)	4(4+4+6+6)	4(4+6+6+6)
Usable Energy ^[1]	17.19 kWh	19.35 kWh	17.16 kWh	19.32 kWh	21.48 kWh	23.64 kWh
Operating Voltage	240 ~ 350.4 V	270 ~ 394.2 V	240 ~ 350.4 V	270 ~ 394.2 V	300 ~ 438 V	330 ~ 481.8 V
Dimensions(H/W/D)(mm) ^[2]	1553 x 660 x 140	1706 x 660 x 140	1592 x 660 x 140	1745 x 660 x 140	1898 x 660 x 140	2051 x 660 x 140
Weight	174.8 kg	193.8 kg	178.9 kg	197.9 kg	216.9 kg	235.9 kg

GENERAL DATA

Max.Charge and Discharge Current ^[3]	35 A
Peak Charge and Discharge Current ^[3]	70 A,10 s
Scalability	Max. 3 in Parallel (70.92 kWh)
Installation Mode	Floor Stand (standard) / Wall Mount (optional)
Installation Scene	Indoor & outdoor installation
Communication	CAN / RS485
Round-trip Efficiency	≥ 95%
Applications	On Grid / On Grid + Backup / Off Grid
Operating Temperature	-20 °C to +55°C
IP Class	IP65
Cooling	Natural Convection
Storage Humidity	5%~95%
Altitude ^[4]	< 4000 m
Warranty ^[5]	15 Years
Accessories (Optional)	BYD smart WIFI/LAN module, Wall-mounting Bracket
Certification	IEC 62619 / IEC 62040 / IEC 62477-1 / EN 61000-6-1/2/3/4 / EN 301489-1 / EN 301489-17 / EN 300328 / EN 62311 / VDE-AR-E 2510-50 / RCM / CEC / REACH / RoHS / UN38.3
Compatibilities	BYD Power-Box SH3-6K, BYD Power-Box TH5-15K

[1] DC Usable Energy, Test conditions: 0.2C charge & discharge at + 25°C.

[2] This height does not include adjustable foot height.

[3] Charge derating will occur between -10°C and +10°C, discharge derating will occur between -20°C and +10°C.

[4]The output power may be affected by altitude. Please refer to the user manual for details.

[5] Conditions apply. Refer to BYD Battery-Box HVE Limited Warranty Letter.