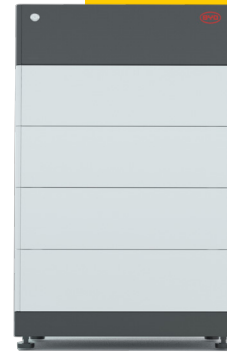


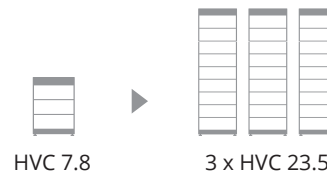
# BATTERY-BOX PREMIUM HVC

- Compact Design
- 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
- Same Premium HV BCU for HVC, HVS and HVM



## BATTERY-BOX PREMIUM HVC

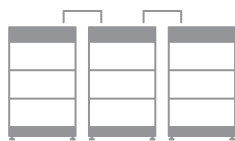
One Battery-Box Premium HVC (HV Compact) is composed of 3 to 9 HVC battery modules that are connected in series to achieve a usable capacity of 7.8 to 23.5 kWh. Additionally, direct parallel connection of up to 3 identical Battery-Box Premium HVC allows a maximum capacity of 70.5 kWh. Ability to scale by adding HVC modules or parallel HVC stacks later.



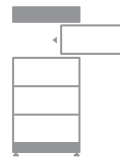
## FLEXIBLE, EFFICIENT, SIMPLE



**Internal Plug Connection**  
No Additional Wiring Required



**7.8 - 70.5 kWh**  
Tailored Sizing for Each Application










**Extend Anytime**  
Easily Adapts to New Requirements



**High Power**  
Power for Every Application

## TECHNICAL PARAMETERS PREMIUM HVC

							
	HVC 7.8	HVC 10.4	HVC 13.1	HVC 15.7	HVC 18.3	HVC 20.9	HVC 23.5
Battery Module	HVC (2.61 kWh, 51.2 V, 35 kg)						
Number of Modules	3	4	5	6	7	8	9
Usable Energy [1]	7.83 kWh	10.44 kWh	13.05 kWh	15.66 kWh	18.27 kWh	20.88 kWh	23.49 kWh
Max Output Current [2]	50 A	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	75 A, 3 s
Nominal Voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V	460.8 V
Operating Voltage	120~177 V	160~236 V	200~295 V	240~354 V	280~413 V	320~472 V	360~531 V
Dimensions (H/W/D)	821 x 585 x 298 mm	996 x 585 x 298 mm	1171 x 585 x 298 mm	1346 x 585 x 298 mm	1521 x 585 x 298 mm	1696 x 585 x 298 mm	1871 x 585 x 298 mm
Weight	120 kg	155 kg	190 kg	225 kg	260 kg	295 kg	320 kg
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%						
Applications	ON Grid / ON Grid + Backup / OFF Grid						
Warranty [3]	10 Years						
Compatible Inverters	Refer to BYD Battery-Box Premium HVC Compatible Inverter 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 -10 °C and +5 °C

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

