

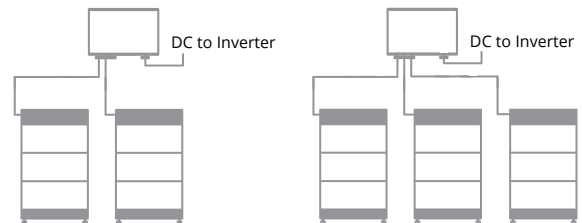
# BATTERY-BOX PREMIUM HV COMBINER BOX

- Use the Premium HV Combiner Box for the parallel connection of 2 or 3 Battery-Box Premium HVS/HVM Towers
- It provides a simple and safe solution for the DC cabling connections
- Single DC cable string to the inverter



## BATTERY-BOX PREMIUM HV COMBINER BOX

The Premium HV Combiner Box can only be used with the BYD Battery-Box Premium HVS or HVM. Make sure the planned configuration meets the Premium HV Compatible Inverter List by BYD and the Towers have the same module quantity. HVS and HVM Towers cannot be mixed. The SOC should be the same among all towers and modules upon installation.



Connect 2 or 3 Battery-Box Premium HV Towers  
Tailored Sizing for Each Application

## TECHNICAL PARAMETERS PREMIUM HV COMBINER BOX



Premium HV Combiner Box

Model	CBH-40A
Supported Battery-Box Model	BYD Battery-Box Premium HVS & HVM
Max Connection of HVS/HVM Towers	3
Max Input Current per Battery Tower	35 A
Max Output Current	40 A
Dimensions (H/W/D)	350 x 540 x 120 mm
Weight	9.7 kg
Max Operating Voltage	1000 V (DC)
Enclosure Protection Rating	IP55
Operating Temperature [1]	-10 °C to +50 °C
DC Input Cable Glands Entry	6 M20 × 1.5
DC Output Cable Glands Entry	2 M20 × 1.5
DC Conductor Cross-Section	6 mm <sup>2</sup> to 16 mm <sup>2</sup>
Ground Cable Cross-Section	10 mm <sup>2</sup> to 16 mm <sup>2</sup>

[1] Derating of 0.5%/K of max. current from 40°C to 50°C

