CBS5000-H4~H10

20 / 25 / 30 / 35 / 50 / 45 / 50 kWh

HV ENERGY STORAGE





Product advantages

- Active equalization between battery packs, higher usable energy.
- Up to 4 racks in parallel,20~200kWh wide battery energy range.
- One-button automatic recognition, simple and convenient operation.
- Simple stack design, saving time and costs.
- IP65 protection rating, more reliable and safe.

Model	CBS 5000-H4	CBS 5000-H5	CBS 5000-H6	CBS 5000-H7	CBS 5000-H8	CBS 5000-H9	CBS 5000-H10
System Parameters							
System							
Battery Module	CBS5000：51.2V 100Ah						
No.of battery modules	4	5	6	7	8	9	10
Rated voltage	204.8V	256V	307.2V	358.4V	409.6V	460.8V	512V
Operating voltage range	179.2V~233.6V	224V~292V	268.8V~350.4V	313.6V~408.8V	358.4V~467.2V	403.2V~525.6V	448V~584V
Toatl energy[1]	20.48kWh	25.60kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.20kWh
Usable energy[2]	18.43kWh	23.04kWh	27.65kWh	32.26kWh	36.86kWh	41.47kWh	46.08kWh
Rated charge power	10.24kW	12.8kW	15.36kW	17.92kW	20.48kW	23.04kW	25.6kW
Rated discharge power	10.24kW	12.8kW	15.36kW	17.92kW	20.48kW	23.04kW	25.6kW
Rated charge/dischzrge current	50A						
Max.charge/dischzrge current	60A						
Scalability	Up to 4 racks in parallel						
General Parameters							
Communication	CAN						
Dimension(W*H*D)	730*881*420mm	730*1033*420mm	730*1185*420mm	730*1337*420mm	730**1489*420mm	730*1641*420mm	730*1793*420mm
Weight	210kg	257kg	304kg	351kg	398kg	445kg	492kg
Protection rating	IP65						
Cooling	Smart air cooling						
Operating temperature[3]	Charge：0℃~50℃；Discharge：-10℃~50℃						
Humidity	5%RH~95%RH（non-condensing）						
Altitude[4]	≤4000m						
Equalization method	Active equalization between battery modules						
Installation	Floor stand						
Display	LED						
Battery Module							
Battery type[5]	LFP						
Rated capacity	100Ah						
Rated voltage	51.2V						
Rated charge/discharge current	50A						
Max. charge/discharge current	60A						
Dimension(W*H*D)	730*152*420mm						
Weight	47kg						
Protection rating	IP65						
Standard	UN38.3，IEC 62619，IEC 61000-6-2/-3，IEC62040-1						

[1] Test conditions:0.2C charging/discharging at 25℃，100%DODO.　[2] Usable energy is base on battery cell only.
[3] Refer to the temperature derating curve.　[4] If the altitude is more than 2000m,derating operation is required,Refer to the derating curve.
[5] Reachargeable li-ion battery system.

*All specifications are subject to change without notice.

DRAFT