

CBS5000-HT4-HT10

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

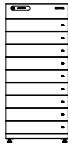
HV ENERGY STORAGE



Product advantages

- One cluster one management, high pressure box integrated built-in optimizer, can achieve free output vlotage rise and fall, support flexible expansion
- Active equalization between battery packs, higher usable energy
- The integrated stack installation solution, allows quick onsite installation ,and not need connect cables
- Internal heater, supports charging in low temperature condtions
- Up to 4 racks in parallel,20~200kWh wide battery energy range
- One-button automatic recognition, simple and convenient operation
- IP65 protection rating, more reliable and safe



Model	CBS 5000-HT4	CBS 5000-HT5	CBS 5000-HT6	CBS 5000-HT7	CBS 5000-HT8	CBS 5000-HT9	CBS 5000-HT10
System Parameters							
System schematic							
High Voltage Box Parameters							
Input voltage range	180V-584V						
Onput voltage range	512V-980V						
Rated output voltage	600V						
Max. discharge current	60A						
Max. charge current	50A						
Rated power	25kW						
Internal battery optimizer	Yes						
Overcurrent protection	Yes						
Overvoltage protection	Yes						
Short circuit protection	Yes						
Reverse connection protection	Yes						
Insulation testing	Yes						
Cluster Parameters							
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-230.4V	224V-288V	268.8V-345.6V	313.6V-403.2V	358.4V-460.8V	403.2V-518.4V	448V-576V
Total energy ^[1]	20.48kWh	25.60kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.20kWh
Usable energy ^[2]	20.48kWh	25.60kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.20kWh
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/discharge current	50A						
Max. charge current	50A						
Max. discharge current	60A						
Scalability	Up to 4 racks in parallel						
General Parameters							
Communication	CAN						
Dimension(W*H*D)	710*850*425mm	710*995*425mm	710*1140*425mm	710*1285*425mm	710*1430*425mm	710*1575*425mm	710*1720*425mm
Weight	226kg	275kg	324kg	373kg	422kg	471kg	520kg
Protection rating	IP65						
Cooling	Smart air cooling						
Operating temperature ^[3]	Charge:0℃-50℃; Discharge:-10℃-50℃						
Heat method	Internal heater						
Heat power	600W	750W	900W	1050W	1200W	1350W	1500W
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 current	50A						
Max. discharge current	60A						
Dimension(W*H*D)	710*145*425mm						
Weight	49kg						
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%DOD. [2] Usable energy is base on battery cell only.
[3] The operating temperature refers to the actual temperature of the cell. In low-temperature conditions, the battery can be heated by the heater to keep the battery in normal use.
[4] If the altitude is more than 2000m, derating operation is required. Refer to the derating curve. [5] Rechargeable Li-ion battery system.
* All specifications are subject to change without notice.