CBS8000

64/80/96/112/128/144/160/176/192 kWh

Smart battery



- SOFAR Battery control unit
- SOFAR Battery

We've GOT YOU COVERED with CGL insurance.

Simplicity

- Modular design and stacked installation, plug and play
- Maintenance made effortless with built-in optimizer

Safety

- Multi-level battery safety protection
- Dynamic temperature regulation

Flexibility

- Scalable 4-12 packs per racks (64-192kWh)
- Support 4 racks in parallel connection (Max. 768kWh)

Robustness

- Integrated EMS, suitable for various applications
- Faster monitoring and quicker response

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Model	CBS8000								
System Parameters									
System Schematic									
Battery Distribution Unit	CBS8000-BCU								
Number of Battery Distribution Unit	1								
Battery Module	CBS8000-BMU								
Number of Battery Modules	4	5	6	7	8	9	10	11	12
Battery Total Energy [1]	64kWh	80kWh	96kWh	112kWh	128kWh	144kWh	160kWh	176kWh	192kWh
Rated Capacity	64kWh	80kWh	96kWh	112kWh	128kWh	144kWh	160kWh	176kWh	192kWh
Rated Power	30.72kW	38.4kW	46.08kW	53.76kW	61.44kW	69.12kW	76.8kW	84.48kW	92.16kW
Nominal Voltage	600 Vd.c								
Operating Voltage Range	600-1000 Vd.c								
Max. Charging Current	150A								
Max. Discharging Current	200A								
Peak Output Power	187.5 kW, 10 s								
General Parameters									
Display	LED								
Communication	CAN								
Dimensions (W×H×D)	500×1415×750 mm	500×1695×750 mm	500×1975×750 mm	500×1135×750 mm 500×1120×750 mm	500×1415×750 mm 500×1120×750 mm	500×1415×750 mm 500×1400×750 mm	500×1695×750 mm 500×1400×750 mm	500×1695×750 mm 500×1680×750 mm	500×1975×750 mm 500×1680×750 mm
Weight	510kg	625kg	740kg	855kg	970kg	1085kg	1200kg	1315kg	1430kg
IP Rating	IP65 for CBS8000-BCU, IP20 for CBS8000-BMU								
Cooling Mode	Intelligent Airflow								
Operating Temperature Range [2]	-20˚C to + 50˚C								
Humidity	5%-95%								
Installation	Floor Mounted								
Battery Type	$LiFePO_4$ - lithium iron phosphate battery								
Max. Operating Altitude [3]	4000m								
Scalability	Max. 4 systems in parallel operation								
Ordering and Deliverable Part									
Available for ordering [4]	CBS5000-BMU, CBS5000-BCU								

[1] Test conditions:0.2C charging/discharging at 25˚C, 100%DOD.
[2] Refer to the curve of temperature VS charging/discharging current.
[3] Derating above 2000m.
[4] Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity.

*All specifications are subject to change without notice.