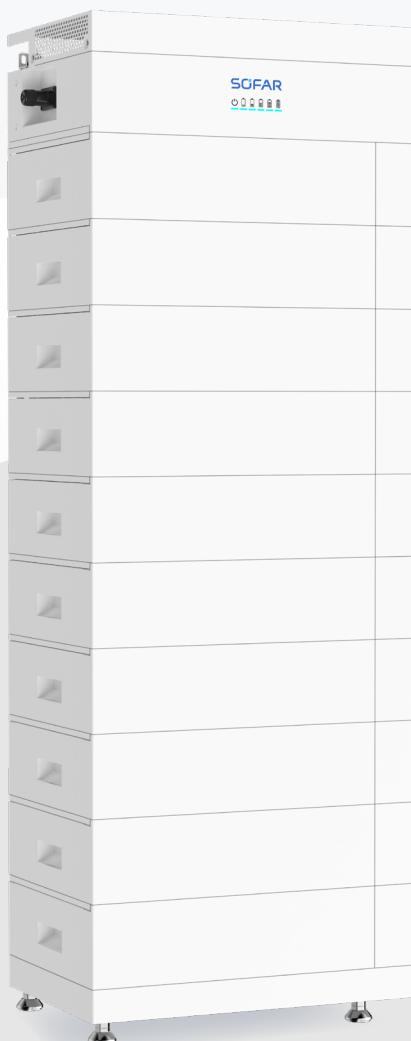


CBS5000

20/25/30/35/40/45/50/55/60 kWh

Smart battery



- ▶ SOFAR Battery control unit
- ▶ SOFAR Battery



Flexible capacity

- Module design, scalable 4-12 packs per series
- Up to 4 racks in parallel (Max. 240kWh)



High power

- Integrated built-in optimizer, one cluster on management
- Active module balancing



Easy installation

- Stack design
- No cable connections required between module



Safe & reliable

- Multi-level battery safety protection
- IP66 protect rating

Model										CBS5000
System Parameters										
System Schematic										
Battery Distribution Unit	CBS5000-BCU									
Number of Battery Distribution Unit	1									
Battery Module	CBS5000-BMU									
Number of Battery Modules	4	5	6	7	8	9	10	11	12	
Battery Total Energy ^[1]	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.2kWh	56.32kWh	61.44kWh	
Rated Capacity	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.2kWh	56.32kWh	61.44kWh	
Rated Power	10kW	12.5kW	15kW	17.5kW	20kW	22.5kW	25kW	27.5kW	30kW	
Nominal Voltage	600 Vd.c									
Operating Voltage Range	600-1000 Vd.c									
Max. Charging Current	50A									
Max. Discharging Current	50A									
Peak Output Power	50 kW, 10 s									
General Parameters										
Display	LED									
Communication	CAN									
Dimensions(W×H×D)	625×870×415 mm	625×1020×415 mm	625×1170×415 mm	625×1320×415 mm	625×1470×415 mm	625×1620×415 mm	625×1770×41 mm	625×1920×415 mm	625×2070×415 mm	
Weight	210kg	257kg	304kg	351kg	398kg	445kg	492kg	539kg	586kg	
IP Rating	IP66									
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. curve.

[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.