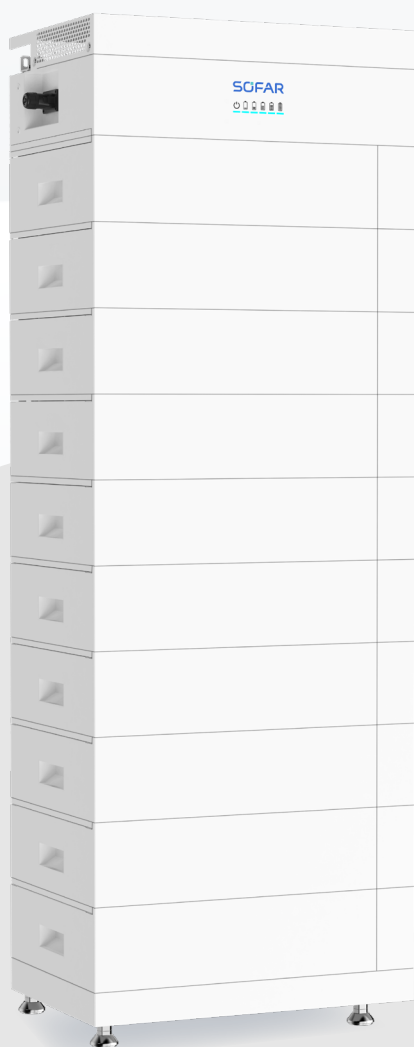


CBS5000

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	625×1770×415 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℃ to +50℃								
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.