

BluePulse Series **NEW**

KAC125D-BC233DE

Safe & Reliable

- ▶ CATL LFP Battery Cell
- ▶ Double Fire Suppression System Design
- ▶ 1+1 Redundancy Design

Economical & Efficient

- ▶ Save CapEx, Expanding as Required
- ▶ Efficient and Energy-saving HVAC Design

Simple & User-friendly

- ▶ Pre-installed in Factory for Easy Installation on site
- ▶ Integrated BMS/EMS, Suitable for Various Applications
- ▶ Effortless Operation, Cloud Control



Outdoor Battery Cabinet Parameters

Technical Parameters	BC197DE	BC215DE	BC233DE
Battery Type	LFP		
Battery Module Capacity	17.92 kWh		
Number of Modules	11	12	13
Total Battery Capacity	197 kWh	215 kWh	233 kWh
Nominal Voltage	704 V	768 V	832 V
Operating Voltage Range	616 V ~ 792 V	672 V ~ 864 V	728 V ~ 936 V
Charge / Discharge Rate	0.5C		
DoD	90%		
General Parameters	BC233DE		
Dimensions (W x H x D)	1300 x 2380 x 1200 mm		
Weight	< 2.5 T		
Installation Site	Outdoor		
IP Protection	IP54		
Anti Corrosion Level	C4		
Operation Humidity	5% ~ 95% (No Condensing)		
Operation Temperature	-30°C ~+ 50°C		
Max. Operation Altitude	4000 m (> 3000 m Derating)		
Communication Port	Ethernet; CAN		
Communication Protocol	CAN; TCP		
Cooling Method	Air Conditioner		
Certificates	IEC 62619-2017; UN 38.3; IEC 61000-6-2/4		

Product Specifications		KAC125D
Battery Side		
Max. Input Voltage		1000 V
Min. Input Voltage		580 V
DC Voltage at Nominal Operation		580 V ~ 1000 V
Max. DC Current		242 A
Max. DC Input Power		140 kW
Number of DC Inputs		1
AC Side (On Grid)		
Nominal AC Output Power		125 kW
Max. AC Output Power		138 kW
Max. AC Current		199 A
Nominal AC Voltage		400 V
AC Voltage Range		400 Vac, (-15% + 10%)
Nominal Grid Frequency / Frequency Range		50 / 60 Hz $\pm$ 5Hz
THDi		$\leq$ 3% (Rated Power)
Adjustable PF Range		-1 ~+ 1
AC Side (Off Grid)¹⁾		
Nominal AC Voltage		400 V
THDv		< 1% (Resistive Load)
Nominal Grid Frequency / Frequency Range		50 / 60 Hz
Nominal AC Output Power		125 kW
Max. AC Output Power		138 kVA
Efficiency		
Max. Efficiency		98.5%
Protection		
Reverse Connection Protection		Yes
DC Switch		Yes
Over-Temperature Protection		Yes
Insulation Monitoring		Yes
DC / AC Surge Protection		Type II(DC side); Type III(AC side)
General Parameters		
Dimensions (W x H x D)		650 x 900 x 310 mm
Installation		Wall Mounted / Plug in
Weight		81 kg
Topology		Transformerless
IP Protection		IP66
Operation Temperature Range		-30 ~ 60°C (> 45°C Derating)
Operation Humidity Range		0 ~ 100% (No Condensing)
Cooling Method		Intelligent Air Cooling
Max. Operation Altitude		4000 m / (> 3000 m Derating)
Communication Port		RS-485 / CAN 2.0
Certificates		CE; IEC 61000; IEC 62477-1; 2012; IEC 61727; IEC 62116; GB/T 34120; GB/T 34133

1) For off-grid application, STS250D automatic switching cabinet is needed.