

BluePulse Series NEW

KAC125DH-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	BC215DE	BC233DE
Battery Type	LFP	
Battery Module Capacity	1792 kWh	
Number of Modules	12	13
Total Battery Capacity	215 kWh	233 kWh
Nominal Voltage	768 V	832 V
Operating Voltage Range	672 V ~ 864 V	728 V ~ 936 V
Charge / Discharge Rate	0.5C	
DoD	90%	
General Parameters		
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	

Hybrid Inverter Parameters

Product Specifications		KAC125DH
Battery Side		
Max. Input Voltage		1500 V
Min. Input Voltage		600 V
DC Voltage at Nominal Operation		600 V ~ 1500 V
Max. DC Current		233.8 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 ± 5 Hz
THDi		$\leq 3\%$ (Rated Power)
Adjustable PF Range		-1 $\sim$ 1
AC Side (Off Grid) ¹⁾		
Nominal AC Voltage		400 V; 3L+PE(N)
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%
Protection		
Reverse Connection Protection		Yes
DC Switch		Yes
Over-Temperature Protection		Yes
Insulation Monitoring		Yes
DC / AC Surge Protection		Type II (DC side); Type II (AC side)
General Parameters		
Dimensions (W x H x D)		650 x 952 x 310 mm
Installation		Wall Mounted / Plug in
Weight		93 kg
Topology		Transformerless
IP Protection		IP66
Anti Corrosion Level		C4
Operation Temperature Range		-30°C ~ 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.