

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	17.92 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	650 V ~ 1500 V
Max. DC Current	180 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 ±5Hz
THDi	≤ 3% (Rated Power)
Adjustable PF Range	-1 ~+ 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	98.5%
Protection	
Reverse Connection Protection	Yes
DC Switch	Yes
Over-Temperature Protection	Yes
Insulation Monitoring	Yes
DC / AC Surge Protection	Type II(DC side); Type II(AC side)
General Parameters	
Dimensions (W x H x D)	650 x 952 x 310 mm
Installation	Wall Mounted / Plug in
Weight	110 kg
Topology	Transformerless
IP Protection	IP66
Anti Corrosion Level	C4
Operation Temperature Range	-25°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.