

BluePulse Series NEW

KAC125DH / KAC100DH - BC233DE / BC215DE

Safe & Reliable

- ▶ CATL LFP Battery Cell
- ▶ Double Fire Suppression System 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	

Energy Storage Inverter Parameters

Product Specifications	KAC100DH		KAC125DH
Battery Side			
Max. Input Voltage	1500 V		
Min. Input Voltage	600 V		
DC Voltage at Nominal Operation	650 Vdc ~ 1400 Vdc		
Max. DC Current	187 A	233.8 A	
Max. DC Input Power	112 kW	140 kW	
Number of DC Inputs	1		
AC Side (On Grid)			
Nominal AC Output Power	100 kW	125 kW	
Max. AC Output Power	110 kW	137.5 kW	
Max. AC Current	159 A	199 A	
Nominal AC Voltage	400 Vac, 3P + PE (N)		
AC Voltage Range	400 Vac, (-15% + 10%)		
Nominal Grid Frequency / Frequency Range	50 / 60 Hz ±5Hz		
THDi	≤ 3% (Rated Power)		
Adjustable PF Range	> 0.99		
AC Side (Off Grid) ¹⁾			
Nominal AC Voltage	400 Vac, 3P + PE (N)		
THDv	< 1.5% (Resistive Load)		
Nominal Grid Frequency / Frequency Range	50 / 60 Hz ±5 Hz		
Nominal AC Output Power	100 kW	125 kW	
Max. AC Output Power	110 kVA	137.5 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		
Certificates	EN 50549-1:2019; EN 50549-2:2019; IEC 61000-6-2/4; IEC 62477-1: 2012; NC RFG; C10/C11; GB/T 34120; GB/T 34133:2023		

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