

BluePulse Series NEW

KAC125D-BC233DE

- Ⓢ Safe & Reliable
- ✓ Quick installation & User-friendly
- ⚡ Economical & Efficient



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(WxHxD)	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		
Standards	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 ±5Hz
THDv	< 1.5% (Rated Power)
Adjustable PF Range	-1 ~+ 1
AC Side (Off Grid)¹⁾	
Nominal AC Voltage	230 / 400 V ±3%; 3L+N+PE
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	99%
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(WxHxD)	650 x 900 x 310 mm
Installation	Wall Mounted / Plug in
Weight	80 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	5000 m / (> 3000 m Derating)
Communication Port	RS-485 / CAN 2.0
Standards	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.