

BluePulse Series NEW

KAC120D-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(WxDxH)		1300 x 1200 x 2380 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	KAC120D
Battery Side	
Max. Input Voltage	1000 V
Min. Input Voltage	580 V
DC Voltage at Nominal Operation	580 V ~ 1000 V
Max. DC Current	232 A
Max. DC Input Power	134 kW
Number of DC Inputs	1
AC Side (On Grid)	
Nominal AC Output Power	120 kW
Max. AC Output Power	132 kW
Max. AC Current	191 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	120 kW
Max. AC Output Power	132 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(WxDxH)	650 x 310 x 900 mm
Installation	Wall Mounted / Plug in
Weight	80 kg
Topology	Transformerless
IP Protection	IP66
Operation Temperature Range	-40 ~ 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.