

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	KAC50DP
PV Side	
Max. Input Voltage	1000 V
MPPT Voltage Range	350 V ~800 V
Max. Current per MPPT	36 A
Number of MPPT	3
Number of Inputs Per MPPT	2
Battery Side	
Max. Input Voltage	750 V
Min. Input Voltage	350 V
DC Voltage at Nominal Operation	500 V ~ 750 V
Max. DC Current	55 A*2
Max. DC Input Power	55 kW
Number of DC Inputs	2
AC Side (On Grid)	
Nominal AC Output Power	50 kW
Max. AC Output Power	55 kVA
Max. AC Current	80 A
Nominal AC Voltage	400 V
AC Voltage Range	340 V ~ 440 V
Nominal Grid Frequency/Frequency Range	50 / 60 Hz \pm 5Hz
THDv	< 3% (100% Load)
Adjustable PF Range	-1 (Lagging) ~ 1 (Leading)
AC Side (Off Grid)¹⁾	
Nominal AC Voltage	230 / 400 V \pm 3%; 3L+N+PE
THDv	< 3% (Linear Load)
Nominal Grid Frequency/Frequency Range	50 / 60 Hz
Nominal AC Output Power	50 kW
Max. AC Output Power	55 kVA
Efficiency	
Max. Efficiency	97.5%
Protection	
Reverse Connection Protection	Yes
DC Switch	Yes
Over-Temperature Protection	Yes
Grid Monitoring/Earthing Fault Detection	Yes
Insulation Monitoring	Yes
DC/AC Surge Protection	DC Type II; AC Type III
General Parameters	
Dimensions(WxDxH)	650 x 715 x 325 mm
Weight	75 kg
Topology	Transformerless
IP Protection	IP65
Operation Temperature Range	-25 ~ 60°C (> 45°C Derating)
Operation Humidity Range	0 ~ 100% (No Condensing)
Cooling Method	Intelligent Air Cooling
Max. Operation Altitude	3000 m
Communication Port	RS-485 / CAN
Standards	IEC 62477; IEC 61000; CE;GB/T; IEC 62109; IEC 61683; IEC 60068; IEC 61727; IEC 62116; EN 50549; VDE 4105; G 99

1) For off-grid application, STS100D or STS250D automatic switching cabinet is needed.