

BC233DE-KAC120D

120kW/233kWh outdoor
All-in-one ESS cabinet

Highlights:

Safe&Reliable

- CATL LFP battery cell
- Double fire suppression system design

Simple&User-friendly

- Pre-installed in factory for easy installation on site
- Integrated BMS/EMS, suitable for various applications
- Effortless operation, cloud control

Economical&Efficient

- Save Capex, expanding as required
- Efficient and energy-saving HVAC design



Outdoor Battery Cabinet Parameters

Technical parameters	BC197DE	BC215DE	BC233DE
Battery type	LFP		
Battery module capacity	17.92kWh		
Number of modules	11	12	13
Total battery capacity	197kWh	215kWh	233kWh
Nominal voltage	704V	768V	832V
Operating voltage range	616V~792V	672V~864V	728V~936V
Charge/Discharge rate	0.5C		
DoD	90%		
General parameters	BC233DE		
Dimensions(WxDxH)	1300 x 1200 x2380mm		
Weight	2.4T		
Installation site	Outdoor		
IP protection	IP54		
Anti corrosion level	C3		
Operation humidity	5%~95% (No condensing)		
Operation temperature	-30°C~ +50°C		
Max. operation altitude	4000m (>3000m derating)		
Communication port	Ethernet;CAN		
Communication protocol	CAN;TCP		
Cooling method	Air conditioner		
Standards	IEC62619-2017;UN38.3;IEC61000-6-2/4		

Product Specifications	KAC120D
Battery Side	
Max. Input Voltage	1500V
Min. Input Voltage	580V
DC Voltage at Nominal Operation	580V~1100V
Max. DC Current	232A
Max. DC Input Power	136kW
Number of DC Inputs	1
AC Side(On Grid)	
Nominal AC Output Power	120KW
Max. AC Output Power	132KW
Max. AC Current	190.5A
Nominal AC Voltage	400V
AC Voltage Range	400Vac,(-15%+10%)
Nominal Grid Frequency/Frequency Range	50/60Hz±5Hz
THDv	< 1.5% (rated power)
Adjustable PF Range	-1~+1
AC Side(Off Grid)	
Nominal AC Voltage	230/400V±3%; 3L+N+PE
THDv	<1%(resistive load)
Nominal Grid Frequency/Frequency Range	50/60Hz
Nominal AC Output Power	120kW
Max. AC Output Power	132kVA
Efficiency	
Max. Efficiency	99%
Protection	
Reverse Connection Protection	Yes
DC Switch	Yes
AC Switch	Yes
Over-Temperature Protection	Yes
Insulation Monitoring	Yes
DC/AC Surge Protection	Yes
General Parameters	
Dimensions(WxHxD)	900×700×310mm
Weight	110KG
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	5000m/(>3000m derating)
Communication Port	RS485/CAN2.0
Standards	CE, IEC 61000, IEC 62477-1:2012, IEC 61727, IEC 62116, GB/T 34120, GB/T 34133

KSTAR

Stock code: 002518

Add: 4/F, No.1 Bldg. Software Park, Keji C. Rd. 2nd, Hi-Tech Industrial Zone, Shenzhen 518057, P.R.China

Website: www.kstar.com E-mail: sales@kstar.com

