

BluePulse Series **NEW**

KAC50DP*2-BC197DE2

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	BC197DE2
Battery Type	LFP
Battery Module Capacity	17.92 kWh
Number of Modules	11
Total Battery Capacity	197.12 kWh
Nominal Voltage	704 V
Operating Voltage Range	627 ~ 792 V
Charge / Discharge Rate	0.5 C
DoD	90%
General Parameters	
Dimensions (W x H x D)	1300 x 2386 x 1442 mm
Weight	< 2.3 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	≤ 3000 m
Communication Port	Ethernet; CAN
Communication Protocol	CAN; TCP
Cooling Method	Air Conditioner
Certificates	UN38.3; MSDS; IEC 62040; IEC 62477; IEC 62619; IEC 63056; IEC 61000-6-2/4

Hybrid Inverter Parameters

Product Specifications	KAC50DP
PV Side	
Max. Input Voltage	1000 V
MPPT Voltage Range	350 ~ 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 ~ 750 V
Max. DC Current	55 A x 2
Max. DC Input Power	55 kW ¹⁾
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 ~ 440 V
Nominal Grid Frequency / Frequency Range	50 Hz / 60 Hz (±5 Hz)
THDi	< 3% (100% Load)
Adjustable PF Range	-1 (Lagging) ~ 1 (Leading)
AC Side (Off Grid)²⁾	
Nominal AC Voltage	400 V
THDv	< 3% (Linear Load)
Nominal Grid Frequency / Frequency Range	50 Hz / 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 (W x H x D)	650 x 715 x 325 mm
Weight	76 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
Certificates	EN IEC 62109-1/2; IEC EN 62477-1; EN IEC 61000-6-2/4; EN IEC 61000-3-11; EN 61000-3-12; IEC 60068-2-1/2/14/30/52; IEC 61683; IEC 61727; IEC 62116; IEC 60529; C10/11; CEI 0-21; EN 50549-1; DIN VDE 0126-1-1; VDE-AR-N 4105; UNE 217001

1) When KAC50DP is used with BC107DE, Max. charge and discharge power is 40 kW.

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