

# BluePulse Series

KAC(80~125)DP2 - BC208DLE / BC260DLE

## Extreme Safety & Reliability

- ▶ Tier 1 battery cell brand ensure high quality
- ▶ 4+3 fire safety design avoids fire risks
- ▶ Integrated intelligence temperature control

## Versatile Adaptability

- ▶ Multi-scenario adaptation & Flexible solution configuration
- ▶ Scalable up to 10.4 MWh
- ▶ Floor space reduced by 25%

## Intelligent & User-friendly

- ▶ 3S (PCS, BMS, EMS) full-stack self-developed
- ▶ Integrated monitoring and O&M through KSTAR Sync
- ▶ VPP ready with KSTAR Sync Cloud



## Liquid-cooling Battery Cabinet Parameters

Technical Parameters	BC208DLE	BC260DLE
Battery Type	LiFe (LiFePO4)	
Battery Module Capacity	52.24 kWh	
Number of Modules	4	
Total Battery Capacity	208.99 kWh	261.24 kWh
Nominal Voltage	665.5 V	832 V
Operating Voltage Range	748.8 ~ 592.8 V	741 ~ 936 V
Charge / Discharge Rate	0.5 C	
Standard Charging / Discharging Current	157 A / 157 A	
DoD	90%	
<b>General Parameters</b>		
Dimensions (W x H x D)	1040 x 1370 x 2234 mm	
Weight	< 2.5 T	
Installation Site	Outdoor	
IP Protection	IP54	
Anti Corrosion Level	C4	
Operation Humidity	5% ~ 95% (No Condensing)	
Operation Temperature	-20°C ~ +50°C	
Max. Operation Altitude	≤ 3000 m (>2000m Derating)	
Communication Port	Ethernet; CAN	
Communication Protocol	CAN; TCP	
Cooling Method	Liquid Cooling	
Warranty	5 Year Product Warranty, 10 Year Performance Warranty	
Certificates	UN38.3; MSDS; IEC 62040; IEC 62477; IEC 62619; IEC 63056; IEC 61000-6-2/4	

## Hybrid Inverter Parameters

Product Specifications	KAC80DP2	KAC100DP2	KAC110DP2	KAC125DP2
<b>PV Side</b>				
MPPT Voltage Range	250 ~ 950 V (Max. 1000 V)			
MPPT Rated Voltage	720 V			
MPPT Rated Voltage (Full Load)	450 ~ 800 V	550 ~ 800 V	600 ~ 800 V	700 ~ 800 V
Max. PV Power	160 kWp	200 kWp	220 kWp	250 kWp
Number of MPPT / Strings per MPPT	8 / 2			
Max. Current per MPPT	45 A			
<b>Battery Side</b>				
Battery Voltage Range	200 ~ 950 V			
Battery Rated Voltage Range	250 ~ 850 V			
Max. DC Current	160 A (80 A x 2)			
Max. DC Power	88 kW	110 kW	121 kW	125 kW
Number of DC Inputs	2			
<b>AC Side (On Grid)</b>				
Nominal AC Output Power	80 kW	100 kW	110 kW	125 kW
Max. AC Output Power	88 kVA	110 kVA	121 kVA	125 kVA
Rated AC Output Current	116 A	144 A	159 A	181 A
Max.AC Input Current	227 A	227 A	227 A	227 A
AC Rated Voltage / Voltage Range	230 / 400 Vac; 220 / 380 Vac; 3L+PE+N; -15% ~ +10%			
Nominal Grid Frequency / Frequency Range	50 Hz / 60 Hz (±5 Hz)			
THDi	< 3% (100% Load )			
Adjustable PF Range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
<b>Backup Output</b>				
Nominal AC Voltage	230 / 400 V; 220 / 380 Vac; 3L+PE+N			
THDv	< 3% (Rated Power)			
Nominal Grid Frequency / Frequency Range	50 Hz / 60 Hz			
Nominal AC Output Power	80 kW	100 kW	110 kW	125 kW
Max. AC Output Power (Single-phase)	50 kW			
Max. Output Current	227 A			
<b>Genset Input</b>				
Max. Input Current	227 A			
<b>Efficiency</b>				
Max. Efficiency	98%			
<b>Protection</b>				
Reverse DC Connection Protection	Yes			
Anti-Islanding Protection	Yes			
Over-Temperature Protection	Yes			
Grid Monitoring / Earthing Fault Detection	Yes			
Insulation Monitoring	Yes			
DC / AC Surge Protection	DC Type II; AC Type II			
AFCI	Optional			
<b>General Parameters</b>				
Dimensions (W x H x D)	1120 x 760 x 365 mm			
Weight	135 kg			
Topology	Transformerless			
IP Protection	IP66			
Operation Temperature Range	-25 ~ 60°C (> 45°C Derating)			
Operation Humidity Range	0 ~ 100% (No Condensing)			
Cooling Method	Intelligent Air Cooling			
Max. Operation Altitude	4000 m (> 3000 m Derating)			
Communication Port	RS-485 / CAN			