KSTAR
Powering the Future

Generating
Superior Solutions
for Energy and More

NEW

BATTERY CABINET

BC(80~120)DE2A

BluePulse Series



CAPACITY

Capacity Range: 80~120 kWh
(20.096 kWh Module)

+

- **4+3 Multi-layer Safety Protection**
- **Optimized Air Cooling Design**
- **8,000+ Cycles Long Lifespan**

Technical Parameters	BC80DE2A	BC100DE2A	BC100DE2A-AU	BC120DE2A
Battery Type	LiFe (LiFePO4)			
Battery Module Capacity	20.096 kWh			
Number of Modules	4	5	5	6
Rated Capacity	80.38 kWh	100.48 kWh	100 kWh	120.57 kWh
Usable Capacity	78.77 kWh	98.47 kWh	98 kWh	118.16 kWh
Nominal Voltage	256 V	320 V	320 V	384 V
Operating Voltage Range	228 ~ 288 V	285 ~ 360 V	285 ~ 360 V	342 ~ 432 V
Charging / Discharge Rate	0.5 C			
Max. Charging Current	157 A			
Max. Discharging Current	157 A			
Rated DC Power	40.19 kW	50.24 kW	50 kW	60.29 kW
DoD	98%			
Cycle	8000			
General Parameters				
Dimensions (W x H x D)	1062 x 2083 x 1371 mm			
Weight	1207 kg	1347 kg	1347 kg	1487 kg
Installation Site	Outdoor			
IP Protection	IP54			
Over Voltage Category	OVC II			
Protective Class	Class I			
Pollution degree	PD3 (PD2 inside)			
Anti Corrosion Level	C4 / C5 Optional			
Operation Humidity	0 ~ 95% (No Condensing)			
Operation Temperature	-30°C ~ +50°C			
Max. Operation Altitude	≤ 3000			
Communication Port	Ethernet; CAN; RS485			
Communication Protocol	CAN; MODBUS TCP / IP			
Cooling Method	Intelligent Air Cooling			
Country of Manufacture	China			
Product Warranty	10 Years*			
Certificates	UL 9540A; UN38.3; MSDS; IEC 62040; IEC 62477; IEC 62619; IEC 63056; IEC 61000-6-2/4			

* Please refer to the warranty document for the correct warranty conditions for performance warranty.

© 2026 Shenzhen KSTAR New Energy Co.,Ltd. All rights reserved. Data subject to change without prior notice.