

BluePulse Series **NEW**

BC80DE2A / BC100DE2A / BC120DE2A

Versatile Application

- ▶ Ideal for factories, hotels, and farms with DC / AC-coupled solar-storage
- ▶ No external switching device is required, on/off-grid switching time about 10ms, support direct output backup load

Safe & Reliable

- ▶ 314ah large capacity cell, higher energy density
- ▶ Carbon monoxide detection, Sound and light alarm, Exhaust fan, Explosion vent window, Inlet valve, Fire water injection port

Smart Energy

- ▶ Supports self-consumption, peak shifting, time-of-use, and battery backup
- ▶ Integrated self-developed BMS / EMS for flexibility

High Performance

- ▶ Small size, small footprint
- ▶ Long-lasting battery cycle life

Easy Operation

- ▶ Compact design saves space
- ▶ Cloud control with 24 / 7 monitoring



Technical Parameters	BC80DE2A	BC100DE2A	BC100DE2A-AU	BC120DE2A
Battery Type	LiFe (LiFePO4)			
Battery Module Capacity	20.09 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			
DoD	Default 90%, Max 98%			
General Parameters				
Dimensions (W x H x D)	1060 x 1380 x 2085 mm			
Weight	1165 kg	1300 kg	1300 kg	1435 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			
Operation Humidity	0 ~ 95% (No Condensing)			
Operation Temperature	-30°C ~ +50°C			
Max. Operation Altitude	≤ 3000			
Communication Port	Ethernet; CAN; RS485			
Communication Protocol	CAN; TCP			
Cooling Method	Intelligent Air Cooling			
Warranty	10 Years			
Certificates	UL 9540A; UN38.3; MSDS; IEC 62040; IEC 62477; IEC 62619; IEC 63056; IEC 61000-6-2/4			