

BluePulse Series

NEW

BC63DE2-AU / BC80DE2-AU / BC96DE2-AU / BC70DE2 / BC89DE2 / BC107DE2

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

- ▶ 280ah 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	BC63DE2-AU	BC70DE2	BC80DE2-AU	BC89DE2	BC96DE2-AU	BC107DE2
Battery Type	LFP					
Battery Module Capacity	17.92 kWh					
Cell Type	280 Ah					
Number of Modules	4	4	5	5	6	6
Usable Capacity	64.512 kWh	71.68 kWh	80.64 kWh	89.6 kWh	96.768 kWh	107.52 kWh
Nominal Voltage	256 V	256 V	320 V	320 V	384 V	384 V
Operating Voltage Range	228 ~ 288 V	228 ~ 288 V	285 ~ 360 V	285 ~ 360 V	342 ~ 432 V	342 ~ 432 V
Charge / Discharge Rate	Max. 0.5 C					
Max. Charging Current	140 A					
Max. Discharging Current	140 A					
DoD	90%					
General Parameters						
Dimensions (W x H x D)	1062 x 2083 x 1371 mm					
Weight	1165 kg		1330 kg		1435 kg	
Installation Site	Outdoor					
IP Protection	IP54					
Pollution Degree	PD3 (PD2 inside)					
Over Voltage Category	OVC II					
Protective Class	I					
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; RS485					
Communication Protocol	CAN; MODBUS TCP / IP					
Cooling Method	Air Conditioner					
Country of Manufacture	China					
Warranty	10 Years					
Certification	UL 9540A; UN38.3; MSDS; IEC 62040; IEC 62477; IEC 62619; IEC 63056; IEC 61000-6-2/4					