

BluePulse Series NEW

KAC80DP2 / KAC100DP2 / KAC110DP2 / KAC125DP2
BC197DE2 / BC215DE2 / BC233DE2

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



Outdoor Battery Cabinet Parameters

| Technical Parameters | BC197DE2 | BC215DE2 | BC233DE2 |
|---------------------------|---|-------------|-------------|
| Battery Type | LFP | | |
| Battery Module Capacity | 17.92 kWh | | |
| Cell Type | 280 Ah | | |
| Number of Modules | 11 | 12 | 13 |
| Total Battery Capacity | 197.12 kWh | 215.04 kWh | 232.96 kWh |
| Nominal Voltage | 704 V | 768 V | 832 V |
| Operating Voltage Range | 627 ~ 792 V | 684 ~ 864 V | 741 ~ 936 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 | < 2.45 T | < 2.55 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; MODBUS TCP / IP | | |
| Cooling Method | Air Conditioner | | |
| Certification | 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 |
|--|--|-------------|-------------|-------------|
| PV Side | | | | |
| 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 | | | |
| Battery Side | | | | |
| Battery Voltage Range | 200 ~ 950 V | | | |
| Battery Rated Voltage Range | 250 ~ 800 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 | | | |
| AC Side (On Grid) | | | | |
| 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 Current | 116 A | 144 A | 159 A | 181 A |
| Max. AC Current | 240 A | 250 A | 250 A | 250 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 (Lagging) ~ 0.8 (Leading) | | | |
| Backup Output | | | | |
| 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 | 220 A | | | |
| Genset Input | | | | |
| Max. Input Current | 220 A | | | |
| Efficiency | | | | |
| Max. Efficiency | 98% | | | |
| Protection | | | | |
| 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 | | | |
| General Parameters | | | | |
| Dimensions (W x H x D) | 635 x 1100 x 330 mm | | | |
| Weight | > 95 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 | 4000 m (> 3000 m Derating) | | | |
| Communication Port | RS-485 / CAN | | | |