

Evolution

EVO-CB20GP-A2000/2900

Intelligent AIO string energy storage system A2000/2900



Respond to fault scenarios in a timely manner handle faults gradedly



String design increases system capacity



Support zero commissioning on site, plug and play



Collect signals from the DC side and AC side in the energy storage system

Technical Parameter

| Model | EVO-CB20GP-A2000 | EVO-CB20GP-A2900 |
|--|---|--|
| DC side parameters | | |
| Rated energy (kWh) | 2042 | 2982 |
| Rated voltage (V) | 1216 | 1331.2 |
| Charge-discharge ratio | 0.5C | 0.5C |
| Cell type | LiFePO4 | LiFePO4 |
| Cell capacity (Ah) | 280 | 280 |
| Pack cell connection method | 1P20S | 1P16S |
| Pack rated voltage (V) | 64 | 51.2 |
| Battery cluster pack connection method | 1P19S | 1P26S |
| Battery cluster rated capacity (kWh) | 340.48kWh | 372.74kWh |
| Number of battery clusters | 6 | 8 |
| Communication interface | RS485,Ethernet | RS485,Ethernet |
| Communication protocol | Modbus RTU, Modbus TCP | Modbus RTU, Modbus TCP |
| AC side parameters | | |
| Rated power (kW) | 1000 | 1600 |
| Rated voltage (V) | 800 | 690 |
| Rated current (A) | 721.7 | 1,255.1 |
| Rated frequency (Hz) | 50 | 50 |
| Factor | >0.98 | >0.98 |
| Wiring method | Three-phase four-wire | Three-phase four-wire |
| System parameter | | |
| Cycle life | ≥6000 times | ≥6000 times |
| Communication | Ethernet/RS485/GPRS | Ethernet/RS485/GPRS |
| Fire fighting method | Heptafluoropropane pipe network fire extinguishing system | Heptafluoropropane pipe network fire extinguishing system |
| system parameter | IP54 | IP54 |
| Size (W*D*H,mm) | 6358*2438*2896 | 8200*2438*2896 |
| Weight (t) | <30 | 35 |
| Operating temperature | -20°C~40 °C | -20°C~40 °C |
| Humidity | 0~95% (No condensation) | 0~95% (No condensation) |
| Working altitude (m) | <3000 | <3000 |
| Cooling method | Air cooled | Air cooled |
| Authentication | Battery: GB/T 36276-2018, IEC 62619, UN 38.3, CE BMS: GB/T 34131-2017 | Battery: GB/T 36276-2018, UL9540A, UL1973, IEC 62619, UN 38.3, CE BMS: GB/T 34131-2017 |