



Sun Power Energy
Corporation

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℃~40℃	-20℃~40℃
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