

- 01** Integrated battery cluster, battery management system (BMS), power storage converter (PCS) and auxiliary control system, etc.
- 02** Small footprint, convenient installation and transportation, short construction period
- 03** Adapt to special and harsh regional environments such as high altitude and cold regions
- 04** Multi-level protection strategy to ensure safe and stable operation of the system





## System parameter

Battery Parameters		
Type	PS-100-216A	PS-100-233A
Rated energy	215kWh	233kWh
Rated voltage	768V	832V
Cell type	LFP (from GanFeng)	
Cell parameter	3. 2V 280Ah	
Battery series-parallel method	1P*48S*5S	1P*52S*5S
DC voltage range	660-864V	715-936V
AC Parameter		
Rated power	100KW	
Max output power	110KW	
Rated grid voltage	230V/400V, 3PHN+PE	
Rated grid frequency	50/60Hz	
Current total harmonic distortion	<3%	
Power Factor	-1 ~ 41	
Technical Parameters		
IP Level	IP54	
Isolation method	No transformer	
Working temperature	-20-55℃ (>45℃)	
Cooling method	Liquid cooling(Battery)	
Maximum operating altitude	2000m	
Cycle times	>8000	
Communication interface	CAN, LAN, RS485	
Maximum system efficiency	≥ 90%	
Charge and discharge rate	≤ 0.50	
Charge and discharge switching time	≤ 100ms	
Discharging Depth	0-100%DoD	
Noise	<70dB	
Relative humidity	5~95%RH, No condensation	
Fire Fighting System	Aerosol/Perfluoroacetone	
Size(W*D*H,mm)	1420*1400*2100m	
Weight(kg)	~ 2700kg	