



Committed to providing safe, stable and cost-effective green energy products

High Voltage ESS

204.8V Series High Voltage ESS



Modular design, standardized production, strong versatility, simple and convenient installation, operation and maintenance.



Perfect BMS protection function and control system, multiple protection designs such as overcurrent, overvoltage and insulation.



Using lithium iron phosphate batteries, low internal resistance, high rate, High safety and long life.
The internal resistance, voltage and capacity of the single cell have high consistency.



The number of cycles can reach more than 3,500 times, the service life is more than 10 years, and the overall operating cost is low.



Intelligent system, low loss, high conversion efficiency, strong stability and reliable operation.



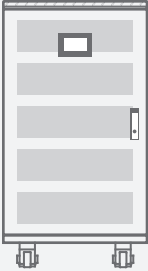
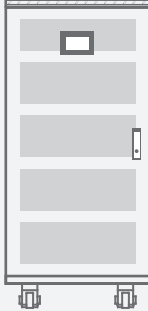
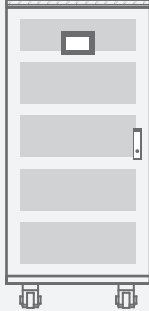
Visual LCD display screen can set operating parameters, view data and operating status in real time, and accurately diagnose operating faults.

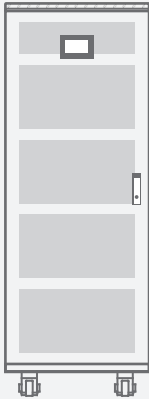
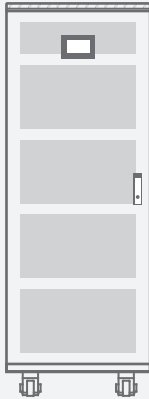


Support fast charge and fast release.



It supports CAN2.0, RS485 and other protocols, which can meet the needs of various occasions.

System Model	204050	204080	204105
System appearance			
Module unit			
Module model	51.2V50Ah	51.2V80Ah	51.2V105Ah
Module configuration	16S1P	16S1P	16S1P
Module size	482.6*416.2*132.5MM	482.6*416.2*177MM	482.6*416.2*177MM
Module weight	About 30KG	About 41.5KG	About 46.5KG
Number of modules	4PCS	4PCS	4PCS
Battery Type	LiFePO4	LiFePO4	LiFePO4
System parameters			
Rated voltage	204.8V		
Operating voltage range	147.2-233.6V		
Charge voltage range	217.6-220.8V		
Floating voltage range	214.4-217.6V		
Rated capacity	50Ah	80Ah	105Ah
Rated energy	10.24KWh	16.37KWh	21.5KWh
Rated charging current	25A	40A	50A
Maximum charging current	50A	80A	105A
Rated discharge current	50A	80A	105A
Maximum discharge current	100A	160A	210A
Charging temperature	0-55℃		
Discharge temperature	-10-55℃		
Operating temperature	15-25℃		
Cooling method	Natural cooling		
Relative humidity	5%-95%		
Operating altitude	≤2000M		
Cycle life	≥3500@80%DOD, 0.5C/0.5C, 25℃		
Communication method	CAN2.0/RS485/Dry node output		
Protective function	Over temperature, over current, short circuit, over charge, over discharge, etc.		
Display screen	LCD touch screen		
Design service life	≥10 years		
Certification	UN38.3/UL1973/IEC62619		
Cabinet size	600*600*1109MM	600*600*1287MM	600*600*1287MM
Total weight	About 205KG	About 255KG	About 275KG

System Model	204160	204230	204280
System appearance			
Module unit			
Module model	51.2V160Ah	51.2V230Ah	51.2V280Ah
Module configuration	16S2P	16S1P	16S1P
Module size	482.6*554*221.5MM	482.6*614*265.9MM	482.6*754*265.9MM
Module weight	About 72KG	About 90KG	About 114KG
Number of modules	4PCS	4PCS	4PCS
Battery Type	LiFePO4	LiFePO4	LiFePO4
System parameters			
Rated voltage	204.8V		
Operating voltage range	147.2-233.6V		
Charge voltage range	217.6-220.8V		
Floating voltage range	214.4-217.6V		
Rated capacity	160Ah	230Ah	280Ah
Rated energy	32.76KWh	47.1KWh	57.34KWh
Rated charging current	80A	115A	140A
Maximum charging current	160A	230A	280A
Rated discharge current	160A	230A	280A
Maximum discharge current	320A	460A	460A
Charging temperature	0-55℃		
Discharge temperature	-10-55℃		
Operating temperature	15-25℃		
Cooling method	Natural cooling		
Relative humidity	5%-95%		
Operating altitude	≤2000M		
Cycle life	≥3500@80%DOD, 0.5C/0.5C, 25℃		
Communication mode	CAN2.0/RS485/Dry node output		
Protective function	Over temperature, over current, short circuit, over charge, over discharge, etc.		
Display screen	LCD touch screen		
Design service life	≥10 years		
Certification	UN38.3/UL1973/IEC62619		
Cabinet size	600*600*1465MM	600*660*1643MM	600*800*1643MM
Total weight	About 385KG	About 465KG	About 565KG

256V Series High Voltage ESS



Modular design, standardized production, strong versatility, simple and convenient installation, operation and maintenance.



Using lithium iron phosphate batteries, low internal resistance, high rate, High safety and long life.
The internal resistance, voltage and capacity of the single cell have high consistency.



Intelligent system, low loss, high conversion efficiency, strong stability and reliable operation.



Support fast charge and fast release.



Perfect BMS protection function and control system, multiple protection designs such as overcurrent, overvoltage and insulation.



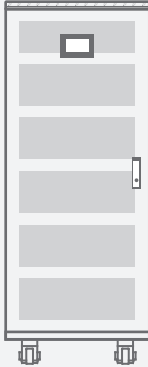
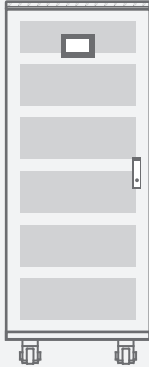
The number of cycles can reach more than 3,500 times, the service life is more than 10 years, and the overall operating cost is low.

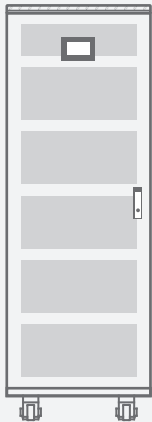
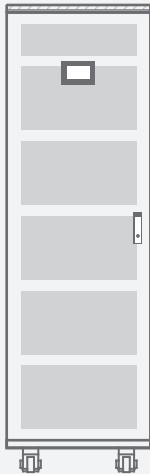
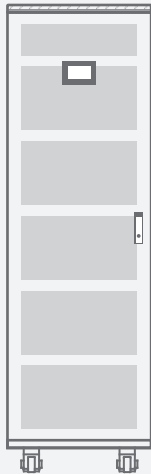


Visual LCD display screen can set operating parameters, view data and operating status in real time, and accurately diagnose operating faults.



It supports CAN2.0, RS485 and other protocols, which can meet the needs of various occasions.

System Model	256050	256080	256105
System appearance			
Module unit			
Module model	51.2V50Ah	51.2V80Ah	51.2V105Ah
Module configuration	16S1P	16S1P	16S1P
Module size	482.6*416.2*132.5MM	482.6*416.2*177MM	482.6*416.2*177MM
Module weight	About 30KG	About 41.5KG	About 46.5KG
Number of modules	5PCS	5PCS	5PCS
Battery Type	LiFePO4	LiFePO4	LiFePO4
System parameters			
Rated voltage	256V		
Operating voltage range	184-292V		
Charge voltage range	272-276V		
Floating voltage range	268-272V		
Rated capacity	50Ah	80Ah	105Ah
Rated energy	12.8KWh	20.48KWh	26.88KWh
Rated charging current	25A	40A	50A
Maximum charging current	50A	80A	105A
Rated discharge current	50A	80A	105A
Maximum discharge current	100A	160A	210A
Charging temperature	0-55℃		
Discharge temperature	-10-55℃		
Operating temperature	15-25℃		
Cooling method	Natural cooling		
Relative humidity	5%-95%		
Operating altitude	≤2000M		
Cycle life	≥3500@80%DOD, 0.5C/0.5C, 25℃		
Communication mode	CAN2.0/RS485/Dry node output		
Protective function	Over temperature, over current, short circuit, over charge, over discharge, etc.		
Display screen	LCD touch screen		
Design service life	≥10 years		
Certification	UN38.3/UL1973/IEC62619		
Cabinet size	600*600*1287MM	600*600*1510MM	600*600*1510MM
Total weight	About 240KG	About 300KG	About 325KG

System Model	256160	256230	256280
System appearance			
Module unit			
Module model	51.2V160Ah	51.2V230Ah	51.2V280Ah
Module configuration	16S2P	16S1P	16S1P
Module size	482.6*554*221.5MM	482.6*614*265.9MM	482.6*754*265.9MM
Module weight	About 72KG	About 90KG	About 114KG
Number of modules	5PCS	5PCS	5PCS
Battery Type	LiFePO4	LiFePO4	LiFePO4
System parameters			
Rated voltage	256V		
Operating voltage range	184-292V		
Charge voltage range	272-276V		
Floating voltage range	268-272V		
Rated capacity	160Ah	230Ah	280Ah
Rated energy	40.96KWh	59.34KWh	71.68KWh
Rated charging current	80A	115A	140A
Maximum charging current	160A	230A	280A
Rated discharge current	160A	230A	280A
Maximum discharge current	320A	460A	460A
Charging temperature	0-55℃		
Discharge temperature	-10-55℃		
Operating temperature	15-25℃		
Cooling method	Natural cooling		
Relative humidity	5%-95%		
Operating altitude	≤2000M		
Cycle life	≥3500@80%DOD, 0.5C/0.5C, 25℃		
Communication mode	CAN2.0/RS485/Dry node output		
Protective function	Over temperature, over current, short circuit, over charge, over discharge, etc.		
Display screen	LCD touch screen		
Design service life	≥10 years		
Certification	UN38.3/UL1973/IEC62619		
Cabinet size	600*600*1732MM	600*660*1954MM	600*800*1954MM
Total weight	About 463KG	About 564KG	About 696KG

409.6V Series High Voltage ESS



Modular design, standardized production, strong versatility, simple and convenient installation, operation and maintenance.



Using lithium iron phosphate batteries, low internal resistance, high rate, High safety and long life.
The internal resistance, voltage and capacity of the single cell have high consistency.



Intelligent system, low loss, high conversion efficiency, strong stability and reliable operation.



Support fast charge and fast release.



Perfect BMS protection function and control system, multiple protection designs such as overcurrent, overvoltage and insulation.



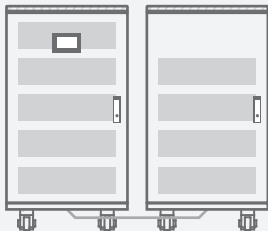
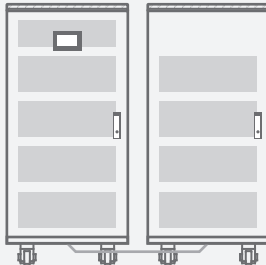
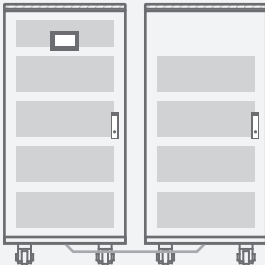
The number of cycles can reach more than 3,500 times, the service life is more than 10 years, and the overall operating cost is low.

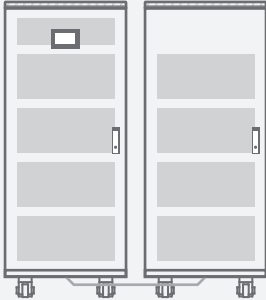
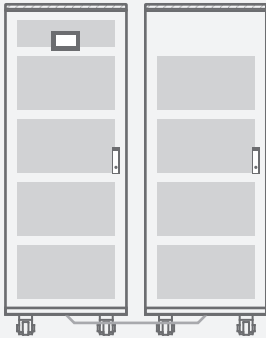
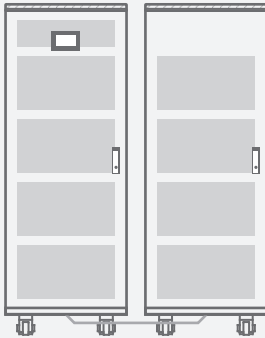


Visual LCD display screen can set operating parameters, view data and operating status in real time, and accurately diagnose operating faults.



It supports CAN2.0, RS485 and other protocols, which can meet the needs of various occasions.

System Model	409050	409080	409105
System appearance			
Module unit			
Module model	51.2V50Ah	51.2V80Ah	51.2V105Ah
Module configuration	16S1P	16S1P	16S1P
Module size	482.6*416.2*132.5MM	482.6*416.2*177MM	482.6*416.2*177MM
Module weight	About 30KG	About 41.5.KG	About 46.5KG
Number of modules	8PCS	8PCS	8PCS
Battery Type	LiFePO4	LiFePO4	LiFePO4
System parameters			
Rated voltage	409.6V		
Operating voltage range	294.4-467.2V		
Charge voltage range	435.2-441.6V		
Floating voltage range	428.8-435.2V		
Rated capacity	50Ah	80Ah	105Ah
Rated energy	19.2KWh	30.72KWh	40.32KWh
Rated charging current	25A	40A	50A
Maximum charging current	50A	80A	105A
Rated discharge current	50A	80A	105A
Maximum discharge current	100A	160A	210A
Charging temperature	0-55℃		
Discharge temperature	-10-55℃		
Operating temperature	15-25℃		
Cooling method	Natural cooling		
Relative humidity	5%-95%		
Operating altitude	≤2000M		
Cycle life	≥3500@80%DOD, 0.5C/0.5C, 25℃		
Communication mode	CAN2.0/RS485/Dry node output		
Protective function	Over temperature, over current, short circuit, over charge, over discharge, etc.		
Display screen	LCD touch screen		
Design service life	≥10 years		
Certification	UN38.3/UL1973/IEC62619		
Cabinet size	(600*600*1109MM)*2	(600*600*1287MM)*2	(600*600*1287MM)*2
Total weight	About 204.5KG+189.5KG	About 253.5KG+238.5KG	About 275KG+260KG

System Model	409160	409230	409280
System appearance			
Module unit			
Module model	51.2V160Ah	51.2V230Ah	51.2V280Ah
Module configuration	16S2P	16S1P	16S1P
Module size	482.6*554*221.5MM	482.6*614*265.9MM	482.6*754*265.9MM
Module weight	About 72KG	About 90KG	About 114KG
Number of modules	8PCS	8PCS	8PCS
Battery Type	LiFePO4	LiFePO4	LiFePO4
System parameters			
Rated voltage	409.6V		
Operating voltage range	294.4-467.2V		
Charge voltage range	435.2-441.6V		
Floating voltage range	428.8-435.2V		
Rated capacity	160Ah	230Ah	280Ah
Rated energy	61.44KWh	88.32KWh	107.52KWh
Rated charging current	80A	115A	140A
Maximum charging current	160A	230A	280A
Rated discharge current	160A	230A	280A
Maximum discharge current	320A	460A	460A
Charging temperature	0-55℃		
Discharge temperature	-10-55℃		
Operating temperature	15-25℃		
Cooling method	Natural cooling		
Relative humidity	5%-95%		
Operating altitude	≤2000M		
Cycle life	≥3500@80%DOD, 0.5C/0.5C, 25℃		
Communication mode	CAN2.0/RS485/Dry node output		
Protective function	Over temperature, over current, short circuit, over charge, over discharge, etc.		
Display screen	LCD touch screen		
Design service life	≥10 years		
Certification	UN38.3/UL1973/IEC62619		
Cabinet size	(600*600*1465MM)*2	600*660*1643MM	600*800*1643MM
Total weight	About 386.5KG+371.5KG	About 464KG+449KG	About 562.5KG+547.5KG

512V Series High Voltage ESS



Modular design, standardized production, strong versatility, simple and convenient installation, operation and maintenance.



Using lithium iron phosphate batteries, low internal resistance, high rate, High safety and long life.
The internal resistance, voltage and capacity of the single cell have high consistency.



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Support fast charge and fast release.



Perfect BMS protection function and control system, multiple protection designs such as overcurrent, overvoltage and insulation.



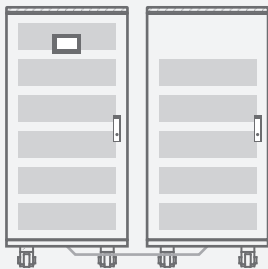
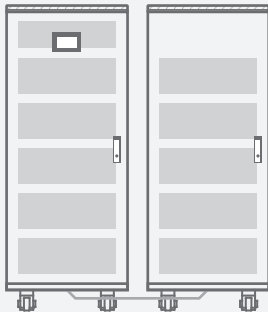
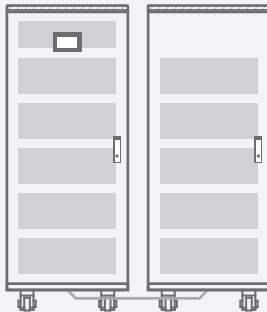
The number of cycles can reach more than 3,500 times, the service life is more than 10 years, and the overall operating cost is low.

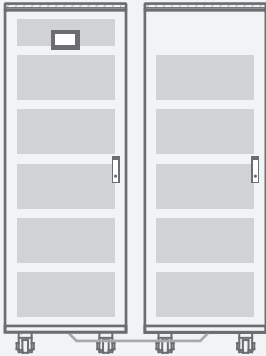
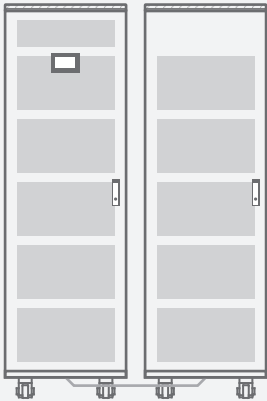
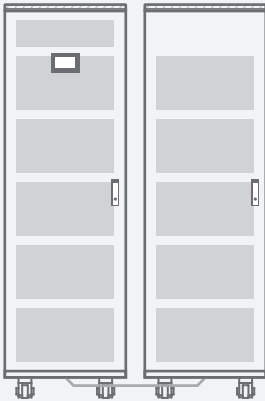


Visual LCD display screen can set operating parameters, view data and operating status in real time, and accurately diagnose operating faults.



It supports CAN2.0, RS485 and other protocols, which can meet the needs of various occasions.

System Model	512050	512080	512105
System appearance			
Module unit			
Module model	51.2V50Ah	51.2V80Ah	51.2V105Ah
Module configuration	16S1P	16S1P	16S1P
Module size	482.6*416.2*132.5MM	482.6*416.2*177MM	482.6*416.2*177MM
Module weight	About 30KG	About 41.5KG	About 46.5KG
Number of modules	10PCS	10PCS	10PCS
Battery Type	LiFePO4	LiFePO4	LiFePO4
System parameters			
Rated voltage	512V		
Operating voltage range	368-584V		
Charge voltage range	544-552V		
Floating voltage range	536-544V		
Rated capacity	50Ah	80Ah	105Ah
Rated energy	25.6KWh	40.96KWh	53.76KWh
Rated charging current	25A	40A	50A
Maximum charging current	50A	80A	105A
Rated discharge current	50A	80A	105A
Maximum discharge current	100A	160A	210A
Charging temperature	0-55℃		
Discharge temperature	-10-55℃		
Operating temperature	15-25℃		
Cooling method	Natural cooling		
Relative humidity	5%-95%		
Operating altitude	≤2000M		
Cycle life	≥3500@80%DOD, 0.5C/0.5C, 25℃		
Communication mode	CAN2.0/RS485/Dry node output		
Protective function	Over temperature, over current, short circuit, over charge, over discharge, etc.		
Display screen	LCD touch screen		
Design service life	≥10 years		
Certification	UN38.3/UL1973/IEC62619		
Cabinet size	(600*600*1287MM)*2	(600*600*1510MM)*2	(600*600*1510MM)*2
Total weight	About 240KG+225KG	About 300KG+285KG	About 325KG+310KG

System Model	512160	512230	512280
System appearance			
Module unit			
Module model	51.2V160Ah	51.2V230Ah	51.2V280Ah
Module configuration	16S2P	16S1P	16S1P
Module size	482.6*554*221.5MM	482.6*614*265.9MM	482.6*754*265.9MM
Module weight	About 72KG	About 90KG	About 114KG
Number of modules	10PCS	10PCS	10PCS
Battery Type	LiFePO4	LiFePO4	LiFePO4
System parameters			
Rated voltage	512V		
Operating voltage range	368-584V		
Charge voltage range	544-552V		
Floating voltage range	536-544V		
Rated capacity	160Ah	230Ah	280Ah
Rated energy	81.92KWh	117.76KWh	143.36KWh
Rated charging current	80A	115A	140A
Maximum charging current	160A	230A	280A
Rated discharge current	160A	230A	280A
Maximum discharge current	320A	460A	460A
Charging temperature	0-55℃		
Discharge temperature	-10-55℃		
Operating temperature	15-25℃		
Cooling method	Natural cooling		
Relative humidity	5%-95%		
Operating altitude	≤2000M		
Cycle life	≥3500@80%DOD, 0.5C/0.5C, 25℃		
Communication mode	CAN2.0/RS485/Dry node output		
Protective function	Over temperature, over current, short circuit, over charge, over discharge, etc.		
Display screen	LCD touch screen		
Design service life	≥10 years		
Certification	UN38.3/UL1973/IEC62619		
Cabinet size	(600*600*1732MM)*2	(600*660*1954MM)*2	(600*800*1954MM)*2
Total weight	About 463KG+448KG	About 564KG+549KG	About 696KG+681KG