

A photograph of three wind turbines against a sunset sky with orange and blue clouds. The turbines are white and positioned at different heights and angles.

刘氏锂电

NEW ENERGY BATTERY

产品图册
LIUSHI TECH
PRODUCT CATALOGUE

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<https://www.liushi-battery.com/>

About us

东莞市刘氏锂电科技有限公司坐落于东莞市清溪镇铁松一街3号芯品质工业园，一座享有“中国制造之乡” “中国最美小镇” 美誉的新城市;是集产品设计、研发、制造、销售和服务于一体的生产制造型企业公司占地面积3500平方米，建筑面积20000平方米。

刘氏锂电是一家专业从事各类新能源电池,磷酸铁锂电池/德池组、三元电池/电池 组、电池管理系统和能源解决方案的民营高科技企业。刘氏太阳能拥有一支具有十多年行业经验 的研发、工程和管理团队,知识结构互补,造就了科学的管理和运营机制,建立了完整的质量管理体系,公司致力于做储能行业认证最齐全的公司,公司通过ISO9001:2008质量管理体系认证,多项产品通过UL271、UL2054、UL1973、EN13849、ROHS、UN38.3、MSDS、危包证、IEC6219、IEC6213、CE、CB、PSE、KC、BIS等认证。

刘氏锂电产品广泛应用于电动自行车、电动三轮车、高尔夫球车, 观光旅游车、混合动力车、电动叉车、洗地车、AGV、电动船等绿色动力电源系统,家庭储能,太阳能、风 能、风光互补、移动基站及通讯设备等储能电源系统,电力、银行、UPS备用电源等后备电源系统,民航WIFI电源,同时也是机车启动电源及军事等多种领域的理想选择。

刘氏太阳能是第一生产力,精益管理为基础,通过整合行业优势,广揽电池及通讯配件行 业一流的研发和管理人才,不断优化生产流程,提高产品品质。严格推行质量管理体系,为客户提供高品质的产品。

Dongguan Liushi Lithium Technology Co., Ltd. is located in The Xinpinzhi Industrial Park, No.3, Tiesong Street, Qingxi Town, Dongguan, a new city which enjoys the reputation of "The hometown of Manufacturing in China" and "the most beautiful town in China". Is a set of product design, research and development, manufacturing, sales and service in one of the production manufacturing enterprise company covers an area of 3500 square meters, building area of 20000 square meters.

Liushi Lithium is a private high-tech enterprise specializing in all kinds of new energy battery, LiFePO4 battery/battery pack, NCM battery/battery pack, battery management system and energy solutions. Liu's solar energy has a research and development, engineering and management team with more than 10 years of industry experience, complementary knowledge structure, created a scientific management and operation mechanism, the establishment of a complete quality management system, the company is committed to energy storage industry certification of the most complete company, the company has passed the ISO9001:2008 quality management system certification, A number of products through UL271, UL2054, UL1973, EN13849, ROHS, UN38.3, MSDS, dangerous package certificate, IEC6219, IEC62133, CE, CB, PSE, KC, BIS and other certification.

Liushi Lithium products are widely used in electric bicycles, electric tricycles, golf carts, sightseeing vehicles, hybrid electric vehicles, electric forklifts, floor washing vehicles, AGV, electric boats and other green power supply systems, household energy storage, Solar energy, wind energy, wind complementary, mobile base station and communication equipment energy storage power system, power, bank, UPS backup power system backup power supply, civil aviation WIFI power supply, but also locomotive starting power supply and military and other fields of the ideal choice. Liushi Lithium is the first productive force. Based on lean management, liushi lithium constantly optimizes production process and improves product quality by integrating industrial advantages and recruiting first-class R&D and management talents in battery and communication accessories industry. Strictly implement quality management system to provide customers with high quality products.



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应用图解

Application Diagram



Matched mainstream inverter



电芯/LiFePO4 Cell



3.2V 50AH



3.2V 100AH



3.2V 200AH



3.2V 280AH



3.2V 300AH



Cylindrical series



家庭储能 Home Energy Storage



电池型号/Model		技术参数/Parameter							
3.2V 50AH		Voltage(V)		3.2V					
		Capacity(ah)		50					
		Size(mm)		Thickn	28	Width	148	Height(Pole ear) 115(4)	
		Internal Resistance(mΩ)		≤0.8					
		Standard charging current		0.2C					
		Standard discharge current		1C					
		Cycle Life		≥6000					
3.2V 100AH		Voltage(V)		3.2V					
		Capacity(ah)		100					
		Size(mm)		Thickn	50	Width	160	Height(Pole ear) 117(4)	
		Internal Resistance(mΩ)		≤0.8					
		Standard charging current		0.2C					
		Standard discharge current		1C					
		Cycle Life		≥6000					
3.2V 200AH		Voltage(V)		3.2V					
		Capacity(ah)		200					
		Size(mm)		Thickn	54	Width	173	Height(Pole ear) 207(5)	
		Internal Resistance(mΩ)		≤0.8					
		Standard charging current		0.2C					
		Standard discharge current		1C					
		Cycle Life		≥6000					
3.2V 300AH		Voltage(V)		3.2V					
		Capacity(ah)		300					
		Size(mm)		Thickn	71	Width	174	Height(Pole ear) 207(4)	
		Internal Resistance(mΩ)		≤0.8					
		Standard charging current		0.2C					
		Standard discharge current		1C					
		Cycle Life		≥6000					
3.2V 280AH		Voltage(V)		3.2V					
		Capacity(ah)		300					
		Size(mm)		Thickn	71	Width	174	Height(Pole ear) 207(4)	
		Internal Resistance(mΩ)		≤0.8					
		Standard charging current		0.2C					
		Standard discharge current		1C					
		Cycle Life		≥6000					
圆柱系列 Cylindrical series		Voltage(V)	Capacity(ah)	Size(mm)		Internal Resistance(mΩ)	Standard charging current	Standard discharge current	Cycle Life
	18650	3.7V	2600	Diameter 18.2	Height 65.2	≤20	0.2C	3C	≥800
	18650	3.7V	3500	Diameter 18.2	Height 65.2	≤20	0.2C	3C	≥800
	21700	3.7V	5000	Diameter 21	Height 70	≤11	0.2C	3C	≥1000
	26700	3.7V	4000	Diameter 26.2	Height 70.2	≤20	0.2C	2C	≥2000
	32700	3.7V	6000	Diameter 32.2	Height 70.2	≤9	0.2C	3C	≥2000

12V 系列/12V Series



12V 50AH
ABS waterproof



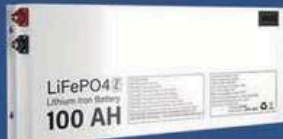
12V 100AH
ABS waterproof



12V 200AH
ABS waterproof



12V 300AH
ABS waterproof



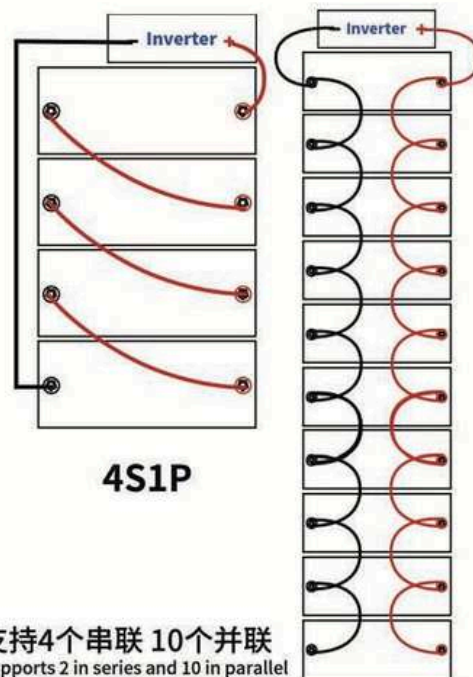
12V100AH powerwall



12V200AH powerwall



12V300AH powerwall



4S1P

支持4个串联 10个并联
Supports 2 in series and 10 in parallel

1S10P



电网
grid



计算机系统
computer system



冲锋艇
assault boat



房车/RV



太阳能
solar energy



洗地车
washing car

规范/Specification	参数/Parameter						
电池型号 Battery Model	12V 50AH	12V100AH	12V 200AH	12V 300AH	12V100AH Powerwall	12V200AH Powerwall	12V300AH Powerwall
电池类型 Battery Type	LiFePO4:(BYD/EVE/CATL Cell						
电池容量 Battery Capacity(+25°C-0.2C)(WH)	600WH	1200WH	2400WH	3600WH	1200WH	2400WH	3600WH
电压范围 Voltage window (V-DC)	10V-14.4V						
最大持续充电电流 Maximum continuous charging current	25A	50A	50A	100A	50A	50A	50A
最大持续放电电流 Maximum continuous discharge current	50A	100A	100A	200A	100A	100A	100A
最大持续脉冲电流 Maximum pulse current	150A 3S	300A 3S	300A 3S	400A 3S	300A 3S	300A 3S	300A 3S
产品尺寸/重量 Product Size/Weight	L260*W168*H209 (mm)/6KG	L330*W175*H221 (mm)/12kg	L532*W207*H215 (mm)22kg	L522*W270*H220 (mm)/ 29kg	L688*W260*H65 (mm)/14.5kg	L738*W350*H65 (mm)/26.5kg	L743*W350*H80 (mm)/35kg
包装尺寸/重量 Packing size/weight	L310*W220*H260 (mm)/7.1KG	L380*W225*H275 (mm)/13.6kg	L585*W260*H255 (mm)24kg	L575*W320*H270 (mm)/ 31kg	L705*W300*H110 (mm)/16kg	L778*W390*H105 (mm)/28kg	L783*W390*H130 (mm)/37.5kg
最大串联数量 Maximum number of series connected	4S 48V						
最大并联数量 Maximum number of parallel connected	10P						
储存时间充电 Storage Time Charging	The normal voltage is charged once every 3 months, and the voltage of 10 V-10.5V must be charged the next day.						
循环寿命 Cycle Life(+25°C-0.2C)	>6000 times						
质保时间 Warranty period	5 years						
外壳材质 Case Material	ABS						
电池保护 Battery protection	Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection,vertemperature protection						
可添加功能 Functions can be added	LCD/Bluetooth/Heating/485						
应用 Application	Transportation-lead-acid replacement/golf cart/RV/cleaning equipment/electric tricycle/electric four-wheel vehicle/sightseeing car/yacht, etc., Telecommunications and power-post and telecommunications, communications, power stations, power transmission, etc.;。 Station wharf-forklift, transport vehicle, signal lamp, instrument, etc.;. Mine underground-miner's lamp, transport vehicle, UPS power supply, lighting system, etc. Aerospace navigation-ships, fishing boats, fish lights, beacon lights, precision instruments, etc. Natural energy systems-solar, wind, geothermal, tidal, etc. Banks, schools, shopping malls, hospitals-UPS power supply, precision instruments, emergency lights, etc. Computer system-UPS, etc. Tourism and entertainment-sightseeing cars, electric toys, golf carts, emergency lights, etc. National defense industry-aircraft, tanks, armored vehicles, artillery, warships, nuclear submarines, radar systems, missile launching systems, precision instruments, etc.						
OEM&ODM are supported.All specifications are customized available.							

24V系列/24V Series



24V100AH
ABS waterproof



24V200AH
ABS waterproof



24V100AH
Cabinet / Rack



24V200AH
Cabinet / Rack



24V300AH
Cabinet / Rack



24V100AH Powerwall

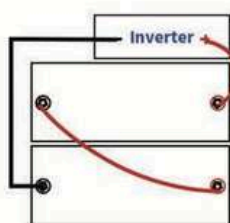


24V200AH Powerwall



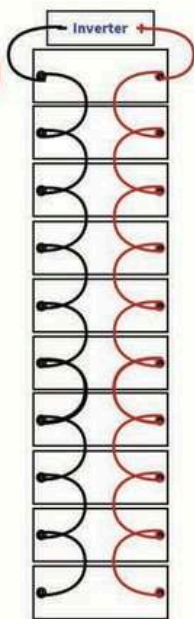
24V300AH Powerwall

家庭储能 Home Energy Storage

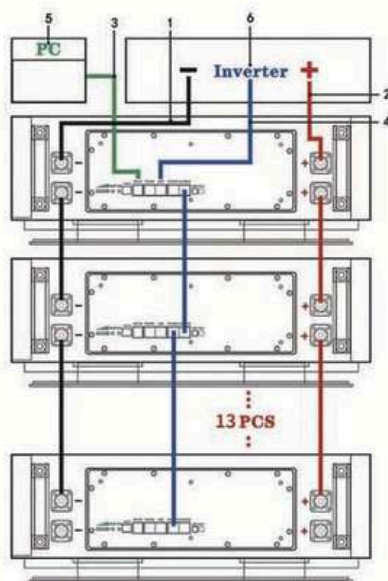


2S1P

支持2个串联
10个并联
Supports 2 in series
and 10 in parallel



1S10P



支持串并连
2 in series.16 in parallel





规范/Specification	参数/Parameter							
电池型号 Battery Model	24V 100AH	24V 200AH	24V 300AH	24V100AH Powerwall	24V200AH Powerwall	24V300AH Powerwall	24V100AH ABS waterproof	24V200AH ABS waterproof
电池类型 Battery Type	LiFePO4:(BYD/EVE/CATL Cell)							
电池容量 Battery Capacity(+25°C-0.2C)(WH)	2400WH	4800WH	7200WH	2400WH	4800WH	7200WH	2400WH	4800WH
电压范围 Voltage window (V-DC)	22.4V-29.2V							
最大持续充电电流 Maximum continuous charging current	50A							
最大持续放电电流 Maximum continuous discharge current	100A							
最大持续脉冲电流 Maximum pulse current	200A 3S							
产品尺寸/重量 Product Size/Weight	218*440*189 (mm)/35kg	306*440*266 (mm)55kg	L610*W340*H240 (mm)68kg	L580*W332*H198 (mm)43kg	L580*W295*H297 (mm)63kg	L610*W340*H297 (mm)73kg	L522*W240*H218 (mm) 22kg	L522*W270*H220 (mm) 39kg
包装尺寸/重量 Packing size/weight	258*510*230 (mm)38kg	346*490*306 (mm)58kg	L660*W390*H290 (mm)71kg	L620*W372*H238 (mm)43kg	L620*W335*H337 (mm)63kg	L650*W380*H337 (mm)73kg	L575*W290*H270 (mm) 24kg	L5275*W320*H270 (mm) 39kg
工作温度 Operating temperature	(-10°C-50°C)							
最大并联数量 Maximum number of parallel connected	16P							
储存时间充电 Storage Time Charging	The normal voltage is charged once every 3 months, and the voltage of 22.5V-23.5V must be charged the next day.							
循环寿命 Cycle Life(+25°C-0.2C)	≥6000 times							
质保时间 Warranty period	5 years							
外壳材质 Case Material	Metal							
电池保护 Battery protection	Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection,vertemperature protection							
通讯协议 Communication Protocol	LCD/485/232							
可添加功能 Functions can be added	Heating/CAN							
应用 Application	Telecom Power-Post and Telecommunications, Communications, Power Stations, Power Transmission, UPS, Computer Systems, Lighting Systems, Solar Energy, Wind Energy, Home Energy Storage, etc.							

OEM&ODM are supported.All specifications are customized available.

48V机柜款系列

48V Cabinet / Rack



48V100AH



48V150AH



48V200AH



48V300AH

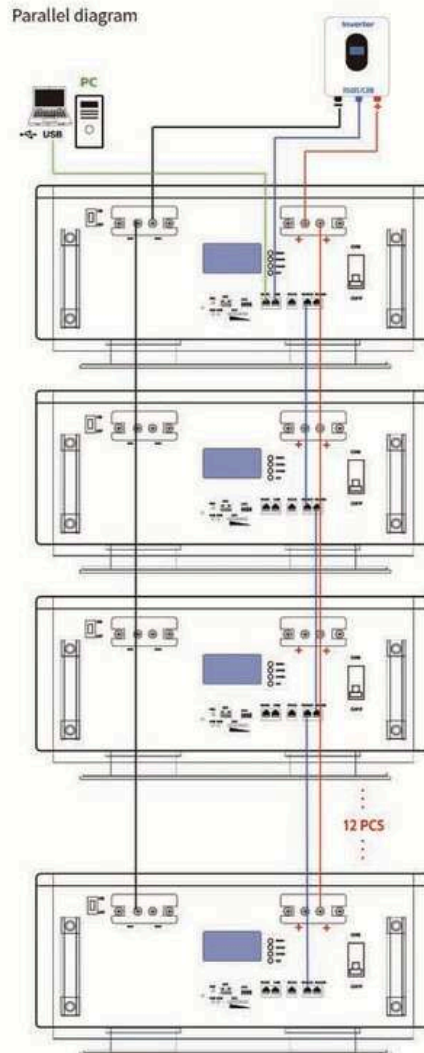


48V400AH



48V600AH

Parallel diagram



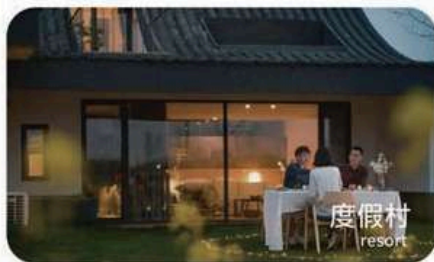
电站
power station



计算机系统
computer system



家庭储能
home energy storage



度假村
resort



太阳能
solar energy



风力发电
wind power



规范/Specification	参数/Parameter				
电池型号 Battery Model	48V100AH	48V200AH	48V300AH	48V400AH	48V600AH
电池类型 Battery Type	LiFePO4(BYD/EVE/CATL Cell)				
电池容量 Battery Capacity(+25°C-0.2C)(WH)	4800WH	9600WH	14400WH	19200WH	28800WH
电压范围 Voltage window (V-DC)	42V-54.75V				
最大持续充电电流 Maximum continuous charging current	50A			100A	
最大持续放电电流 Maximum continuous discharge current	100A			200A	
最大持续脉冲电流 Maximum pulse current	200A 3S			400A 3S	
产品尺寸/重量 Product Size/Weight	L580*W450*H210(mm) 57kg	L580*W760*H210(mm) 92.5kg	L580*W760*H210(mm) 122kg	L600*W600*H1200(mm) 240kg	L600*W600*H1600(mm)365kg
包装尺寸/重量 Packing size/weight	L630*W500*H260(mm)/58.8KG	L630*W810*H260(mm)/95KG	L630*W810*H260(mm)/125kg	L700*W700*H1400(mm) 270kg	L700*W700*H1800(mm) 396kg
工作温度 Operating temperature	(-10°C-50°C)				
最大并联数量 Maximum number of parallel connected	16P				
循环寿命 Cycle Life(+25°C-0.2C)	≥6000 times				
储存时间充电 Storage Time Charging	The normal voltage is charged once every 3 months, and the voltage of 45V-46V must be charged the next day.				
质保时间 Warranty period	5 years				
外壳材质 Case Material	Metal				
储存时间充电 Battery protection	Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, vertemperature protection				
通讯协议 Communication Protocol	LCD/Heating/CAN/485/232				
逆变器连接品牌 Inverter connection brand	                 				
应用领域 Application	Telecom Power-Post and Telecommunications, Communications, Power Stations, Power Transmission, UPS, Computer Systems, Lighting Systems, Solar Energy, Wind Energy, Home Energy Storage, etc.				

OEM&ODM are supported.All specifications are customized available.

51.2V机柜款系列

51.2V Cabinet / Rack



51V100AH



51V150AH



51V200AH



51V300AH

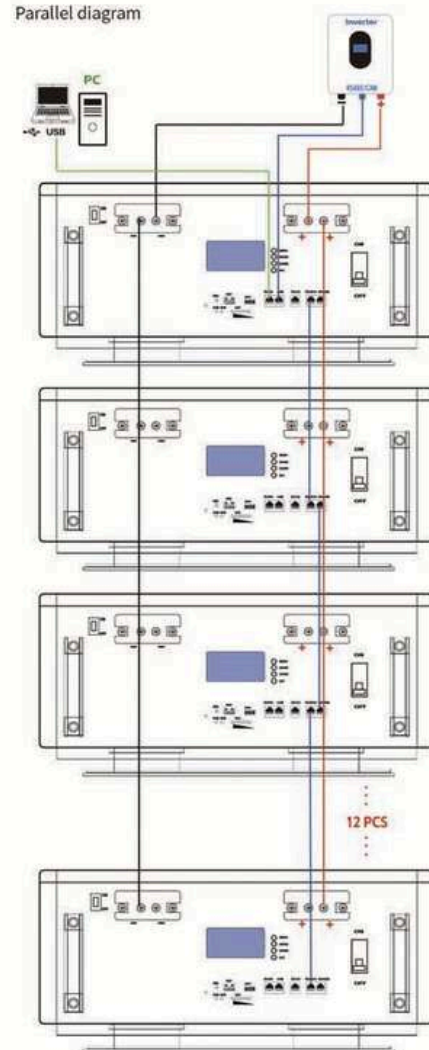


51V400AH



51V600AH

Parallel diagram



机房
engine room



家庭储能
home energy storage



风力发电
wind power



度假村
resort



别墅
villa



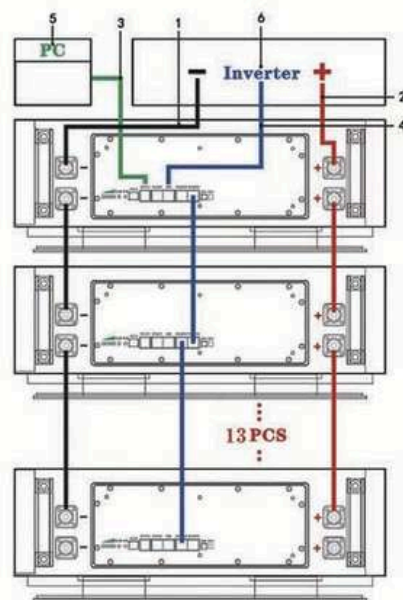
太阳能
solar energy

规范/Specification	参数/Parameter				
电池型号 Battery Model	51.2V 100AH	51.2 V200AH	51.2 V300AH	51.2 V400AH	51.2 V600AH
电池类型 Battery Type	LiFePO ₄ (BYD/EVE/CATL Cell)				
电池容量 Battery Capacity(+25°C-0.2C)(WH)	5120WH	10240WH	15360WH	20480WH	30720WH
电压范围 Voltage window (V-DC)	44.8V-58.4V				
最大持续充电电流 Maximum continuous charging current	50A			100A	
最大持续放电电流 Maximum continuous discharge current	100A			200A	
最大持续脉冲电流 Maximum pulse current	200A 3S			400A 3S	
产品尺寸/重量 Product Size/Weight	L580*W450*H210(mm) 57kg	L580*W760*H210(mm) 92.5kg	L580*W760*H210(mm) 122kg	L600*W600*H1200(mm) 260kg	L600*W600*H1600(mm)380kg
包装尺寸/重量 Packing size/weight	L630*W500*H260(mm)/58.8KG	L630*W810*H260(mm)/95KG	L630*W810*H260(mm)/125kg	L700*W700*H1400(mm) 290kg	L700*W700*H1800(mm) 405kg
工作温度 Operating temperature	(-10°C-50°C)				
最大并联数量 Maximum number of parallel connected	16P				
循环寿命 Cycle Life(+25°C-0.2C)	≥6000 times				
储存时间充电 Storage Time Charging	The normal voltage is charged once every 3 months, and the voltage of 45V-46V must be charged the next day.				
质保时间 Warranty period	5 years				
外壳材质 Case Material	Metal				
储存时间充电 Battery protection	Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, vertemperature protection				
通讯协议 Communication Protocol	LCD/Heating/CAN/485/232				
逆变器连接品牌 Inverter connection brand	               				
应用领域 Application	Telecom Power-Post and Telecommunications, Communications, Power Stations, Power Transmission, UPS, Computer Systems, Lighting Systems, Solar Energy, Wind Energy, Home Energy Storage, etc.				

OEM&ODM are supported.All specifications are customized available.

48V 51.2V壁挂款系列

48V 51.2V Powerwall Series





规范/Specification	参数/Parameter					
电池型号 Battery Model	48V100AH Powerwall	48V200AH Powerwall	48V300AH Powerwall	51.2V100AH Powerwall	51.2V200AH Powerwall	51.2V300AH Powerwall
电池类型 Battery Type	LiFePO4(BYD/EVE/CATL Cell)					
电池容量 Battery Capacity(+25°C-0.2C)(WH)	4800WH	9600WH	14400WH	5120WH	10240WH	15360WH
电压范围 Voltage window (V-DC)	42V-54.75V			45V-58.4V		
最大持续充电电流 Maximum continuous charging current	50A					
最大持续放电电流 Maximum continuous discharge current	100A					
最大持续脉冲电流 Maximum pulse current	200A 3S					
产品尺寸/重量 Product Size/Weight	L580*W450*H210 (mm) 57kg	L580*W760*H210 (mm) 84kg	L580*W760*H210 (mm) 105kg	L580*W450*H210 (mm) 61kg	L580*W760*H210 (mm) 86kg	L580*W760*H210 (mm) 122kg
包装尺寸/重量 Packing size/weight	L630*W500*H260 (mm)/58.8KG	L630*W810*H260 (mm)/88KG	L630*W810*H260 (mm)/125kg	L630*W500*H260 (mm) 64kg	L630*W810*H260 (mm)/92KG	L630*W810*H260 (mm)/134kg
工作温度 Operating temperature	(-10°C-50°C)					
最大并联数量 Maximum number of parallel connected	16P					
循环寿命 Cycle Life(+25°C-0.2C)	≥6000 times					
储存时间充电 Storage Time Charging	The normal voltage is charged once every 3 months, and the voltage of 45V-46V must be charged the next day.					
质保时间 Warranty period	5 years					
外壳材质 Case Material	Metal					
储存时间充电 Battery protection	Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection,vertemperature protection					
通讯协议 Communication Protocol	LCD/Heating/CAN/485/232					
逆变器连接品牌 Inverter connection brand	                					
应用领域 Application	Telecom Power-Post and Telecommunications, Communications, Power Stations, Power Transmission, UPS, Computer Systems, Lighting Systems, Solar Energy, Wind Energy, Home Energy Storage, etc.					
OEM&ODM are supported.All specifications are customized available.						

OEM&ODM are supported.All specifications are customized available.

51.2V堆叠款系列

51.2V Stacked Series



51.2v300AH
15kw-10kva





规范/Specification	参数/Parameter		
电池型号 Battery Model	51.2.V100AH	51.2V200AH	51.2V300AH
电池类型 Battery Type	LiFePO4(BYD/EVE/CATL Cell)		
电池容量 Battery Capacity(+25°C-0.2C)(WH)	5120WH	10240WH	15360WH
电压范围 Voltage window (V-DC)	44.8V-58.4V		
最大持续充电电流 Maximum continuous charging current	50A		
最大持续放电电流 Maximum continuous discharge current	100A		
最大持续脉冲电流 Maximum pulse current	200A 3S		
产品尺寸/重量 Product Size/Weight	L440*W430*H216mm	L440*W438*H308mm	L440*W440*H497mm
包装尺寸/重量 Packing size/weight	L490*W480*H270mm	L490*W490*H360mm	L490*W490*H550mm
工作温度 Operating temperature	(-10°C-50°C)		
最大并联数量 Maximum number of parallel connected	16P		
循环寿命 Cycle Life(+25°C-0.2C)	≥6000 times		
储存时间充电 Storage Time Charging	The normal voltage is charged once every 3 months, and the voltage of 45V-46V must be charged the next day.		
质保时间 Warranty period	5 years		
外壳材质 Case Material	Metal		
储存时间充电 Battery protection	Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection,vertemperature protection		
通讯协议 Communication Protocol	LCD/Heating/CAN/485/232		
逆变器连接品牌 Inverter connection brand	                 		
应用领域 Application	Telecom Power-Post and Telecommunications, Communications, Power Stations, Power Transmission, UPS, Computer Systems, Lighting Systems, Solar Energy, Wind Energy, Home Energy Storage, etc.		
OEM&ODM are supported.All specifications are customized available.			

高尔夫球车系列

Golf cart series



25.6V200AH



48V88AH



48V105AH



48V150AH



72V105AH



警用巡逻车
Police patrol car



洗地车
Floor scrubber



高尔夫球车
Golf cart



规范/Specification	参数/Parameter				
电池型号 Battery Model	25.6V200AH	48V88AH	48V105AH	48V150AH	72V105AH
电池类型 Battery Type	磷酸铁锂LiFePO4:(BYD/EVE/CATL Cell				
电池容量 Battery Capacity(+25°C-0.2C)(WH)	5120WH	4224WH	5040WH	7200WH	7200WH
电压范围 Voltage window (V-DC)	22.4V-29.2V	44.8V-58.4V			64.4V-83.95V
最大持续充电电流 Maximum continuous charging current	50A				
最大持续放电电流 Maximum continuous discharge current	200A	150A	150A	200A	150A
最大持续脉冲电流 Maximum pulse current	300A 3S				
产品尺寸/重量 Product Size/Weight	L420*W287*H290 (mm)45kg	L465*W440*H210 (mm)45kg	L452*W310*H290 (mm)48kg	L650*W300*H230 (mm)65kg	L630*W310*H290 (mm)65kg
包装尺寸/重量 Packing size/weight	L460*W330*H340 (mm)5.8KG	L510*W480*H260 (mm)47kg	L490*W350*H340 (mm)50kg	L690*W340*H270 (mm)67kg	L670*W350*H290 (mm)67kg
工作温度 Operating temperature	(-10°C-60°C)				
外壳材质 Case Material	Metal				
循环寿命 Cycle Life(+25°C-0.2C)	≥6000 times				
质保时间 Warranty period	5 years				
储存时间充电 Storage Time Charging	The normal voltage is charged once every 3 months,Low voltage must be charged the next day				
电池保护 Battery protection	Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection,vertemperature protection				
可添加功能 Functions can be added	LCD/Heating/Bluetooth/485/CAN				
应用领域 Application	Transportation -lead -acid replacement/electric vehicle/golf car/RV/cleaning equipment/electric tri-cycle/electric four -wheel car/sightseeing car/yacht, etc.;Station terminal -forklifts, transport vehicles, signal lights, instruments, instruments, etc				
OEM&ODM are supported.All specifications are customized available.					

24V-72V动力系列

24V-72V Power Series



25.6V 300AH



48V 20AH



51.2V 100AH



72V 100AH



Silverfish 48V14AH



高尔夫球车
golf cart



电动自行车
electric bicycle



电摩
Electric motorcycle



沙滩车
ATV



老年四轮车
elderly quad bike



规范/Specification	参数/Parameter				
电池型号 Battery Model	25.6V300AH	48V14AH	48V20AH	51.2V100AH	72V100AH
电池类型 Battery Type	LiFePO4: (BYD/EVE/CATL Cell)	Ternary lithium: (Samsung/Zhenhua Cell)	Ternary lithium: (Samsung/Zhenhua Cell)	LiFePO4: (BYD/EVE/CATL Cell)	LiFePO4: (BYD/EVE/CATL Cell)
电池容量 Battery Capacity(+25°C-0.2C)(WH)	7680WH	672WH	960WH	5120WH	7200WH
电压范围 Voltage window (V-DC)	22.4V-29.2V	37V-54.6V	37V-54.6V	44.8V-58.4V	58V-83.95V
最大持续充电电流 Maximum continuous charging current	50A	3A	5A	50A	50A
最大持续放电电流 Maximum continuous discharge current	100A	20A	30A	100A	100A
最大持续脉冲电流 Maximum pulse current	300A 3S	50A 3S	70A 3S	300A 3S	300A 3S
产品尺寸/重量 Product Size/Weight	L520*W375*H255(mm) 67kg	L390*W108*H76(mm) 4.8kg	L210*W175*H160(mm)11.5kg	L640*W300*H270(mm) 43kg	680*340*260(mm) 65kg
包装尺寸/重量 Packing size/weight	L630*W500*H260(mm) 71KG	L510*W158*H130(mm) 5.8KG	L260*W235*H210(mm)14.5kg	L690*W350*H320(mm)45kg	730*390*310 (mm) 67kg
工作温度 Operating temperature	(-10°C-50°C)	(-20°C-50°C)	(-20°C-50°C)	(-10°C-50°C)	(-10°C-50°C)
循环寿命 Cycle Life(+25°C-0.2C)	>6000 times	>800 times	>800 times	>6000 times	>6000 times
储存时间充电 Storage Time Charging	The normal voltage is charged once every 3 months, Low voltage must be charged the next day				
质保时间 Warranty period	5 years	1 years	1 years	5 years	5 years
外壳材质 Case Material	Metal				
电池保护 Battery protection	Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection,vertemperature protection				
可添加功能 Functions can be added	LCD/Heating/Bluetooth/485/CAN				
应用领域 Application	Transportation -lead -acid replacement/electric vehicle/golf car/RV/cleaning equipment/electric tri- cycle/electric four -wheel car/sightseeing car/yacht, etc.;Station terminal -forklifts, transport vehicles, signal lights, instruments, instruments, etc				
OEM&ODM are supported.All specifications are customized available.					

高压系列/High voltage series



96V100AH



96V200AH



192V100AH



384V100AH



384V100AH



电站
power station



计算机系统
computer system



家庭储能
home energy storage



旅游观光车
tour car



太阳能
solar energy



风力发电
wind power

规范/Specification	参数/Parameter				
电池型号 Battery Model	96V100AH	96V200AH	192V100AH	384V100AH	512V100AH
电池类型 Battery Type	LiFePO4(BYD/EVE/CATL Cell)				
电池容量 Battery Capacity(+25°C-0.2C)(WH)	9600WH	19200WH	19200WH	38400WH	51200WH
电压范围 Voltage window (V-DC)	87V-109.5V	87V-109.5V	180V-219V	360V-438V	480V-584V
最大持续充电电流 Maximum continuous charging current	50A	100A	50A	50A	50A
最大持续放电电流 Maximum continuous discharge current	100A	200A	100A	100A	100A
最大持续脉冲电流 Maximum pulse current	200A 3S	400A 3S	200A 3S	200A 3S	200A 3S
产品尺寸/重量 Product Size/Weight	L600*W300*H300 (mm) 90kg	L900*W500*H300 (mm) 198kg	L600*W600*H1400 (mm)310KG	L600*W600*H1800 (mm)510KG	L600*W1200*H1400 (mm)590KG
包装尺寸/重量 Packing size/weight	L660*W360*H450 (mm) 98kg	L1000*W600*H450 (mm)230KG	L700*W700*H1550 (mm)345KG	L700*W700*H2000 (mm)565KG	L700*W1300*H1600 (mm)640KG
工作温度 Operating temperature	(-10°C-50°C)				
最大并联数量 Maximum number of parallel connected	3P				
循环寿命 Cycle Life(+25°C-0.2C)	>9000 times				
储存时间充电 Storage Time Charging	The normal voltage is charged once every 3 months.				
质保时间 Warranty period	10 years				
外壳材质 Case Material	Metal				
储存时间充电 Battery protection	Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, vertemperature protection				
可添加功能 Functions can be added	LCD/Heating/CAN/485/232				
逆变器连接品牌 Inverter connection brand	                 				
应用领域 Application	Telecom Power-Post and Telecommunications, Communications, Power Stations, Power Transmission, UPS, Computer Systems, Lighting Systems, Solar Energy, Wind Energy, Home Energy Storage, etc.				

OEM&ODM are supported.All specifications are customized available.

ALL IN ONE BATTERY

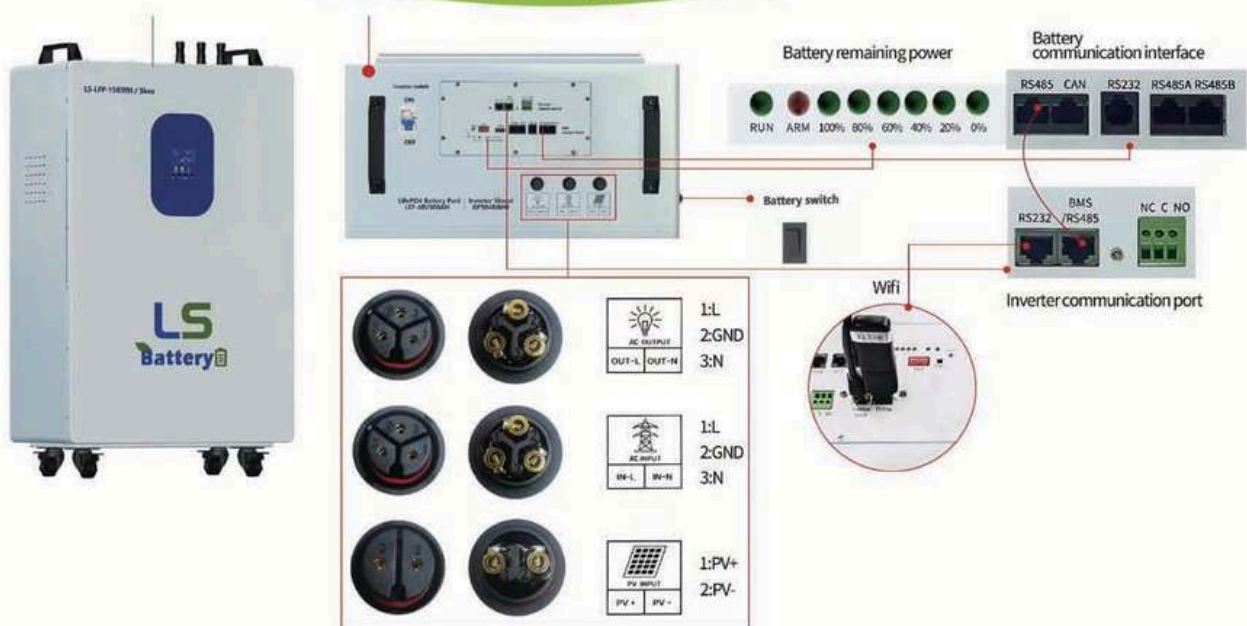


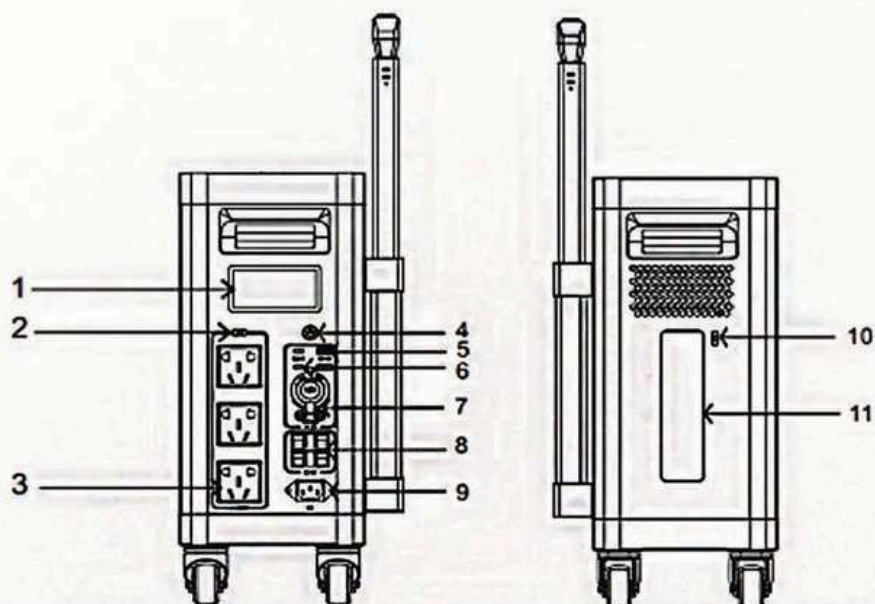
ESS BATTERY

Model	LFP-10KWH	LFP-15KWH	LFP-20KWH-2	LFP-5KWH
Rated voltage	48V	48V	48V	48V
Working voltage range	42-54.75V	42-54.75V	42-54.75V	42-54.75V
Charge voltage	54.75V	54.75V	54.75V	54.75V
Rated capacity	200AH	300AH	400AH	100AH
Energy	9.6KWH	14.4KWH	19.2KWH	4.8KWH
Rated charge current	50A	50A	50A	50A
Peak charge current	100A	100A	100A	100A
Rated discharge current	100A	100A	100A	100A
Peak discharge current	100A	100A	100A	100A
Charge temperature	0-55℃	0-55℃	0-55℃	0-55℃
Discharge temperature	-10-55℃	-10-55℃	-10-55℃	-10-55℃
Optimum temperature	15-25℃	15-25℃	15-25℃	15-25℃
Cooling method	Natural cooling	Natural cooling	Natural cooling	Natural cooling
Relative humidity	5%-95%	5%-95%	5%-95%	5%-95%
Altitude	≤2000M	≤2000M	≤2000M	≤2000M
Cycle Life	≥5000@80%DOD,0.5C/0.5C,25℃			
Communication interfaces	CAN/RS485/RS232			
Protection	Over-temperature,over-current and over-voltage protection			
Design lifetime	≥10 years			
Dimension(L*W*H)	1225*580*325mm	1050*580*320mm	1050*580*325mm	955*580*325mm
Weight	105Kg	130Kg	140Kg	85Kg
Battery type	LiFePO4			

ESS Hybrid Inverter

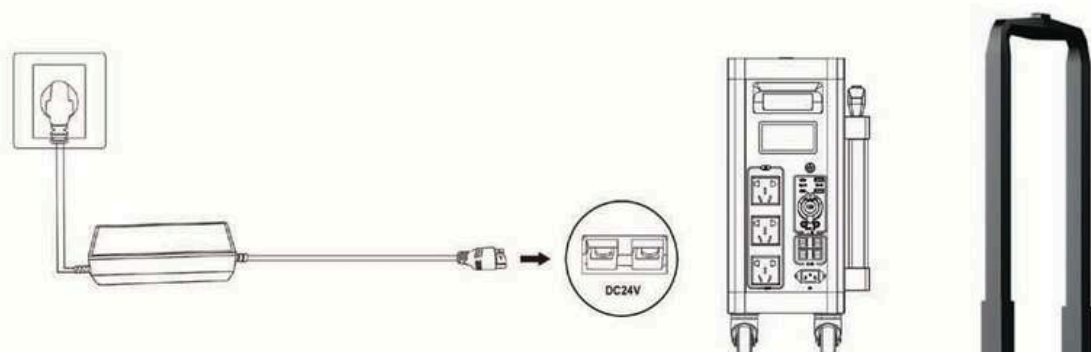
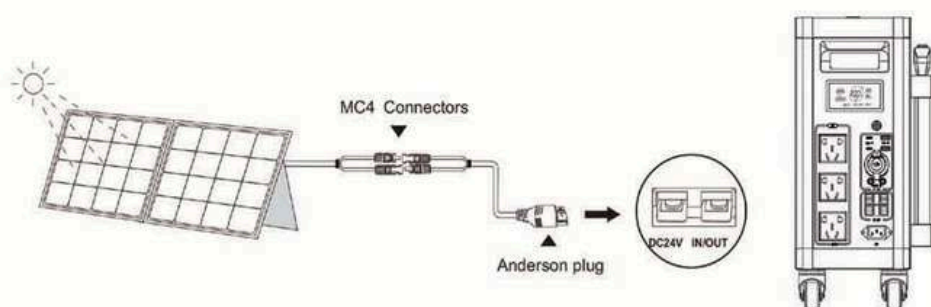
Inverting Model	LFP-10KWH-2	LFP-15KWH	LFP-20KWH	LFP-5KWH
Output voltage waveform	Pure sine wave			
Rated output power(VA)	5500			
Rated output power(W)	5500			
Rated output voltage(Vac)	220/230Vac			
Output voltage error	±5%			
PV input maximum power value	5500W			
Output frequency range(HZ)	50/60HZ			
AC charge				
Charge voltage range	42-54.75VdcVdc	42-54.75VdcVdc	42-54.75VdcVdc	42-54.75VdcVdc
Charge current error	±5Adc	±5Adc	±5Adc	±5Adc
Maximum charge current	50A	50A	50A	50A
Solar charge				
Maximum PV opencircuit voltage	500Vdc	500Vdc	500Vdc	500Vdc
PV operation voltage range	120-500Vdc	120-500Vdc	120-500Vdc	120-500Vdc
MPPT voltage range	120-500Vdc	120-500Vdc	120-500Vdc	120-500Vdc
Battery voltage range	42-54.75VdcVdc	42-54.75VdcVdc	42-54.75VdcVdc	42-54.75VdcVdc
Noise emission(dB)	<35	<35	<35	<35
Operation temperature range	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
Storage temperature range	-25℃~55℃	-25℃~55℃	-25℃~55℃	-25℃~55℃



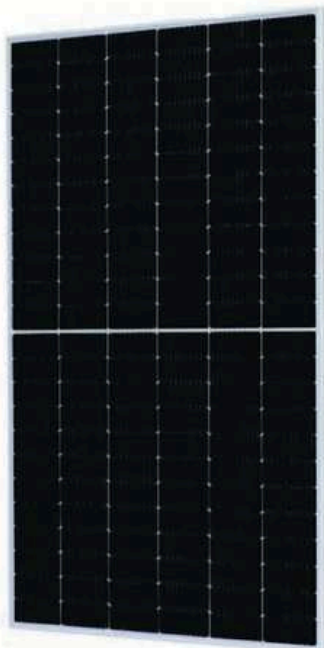


1.LCD screen	6.USB-C output	11.LED
2.AC switch on&off	7.DC 12V output	
3.AC output	8.DC 24V	
4.Main switch	9.UPS	
5.USB-A output	10.LED switch	

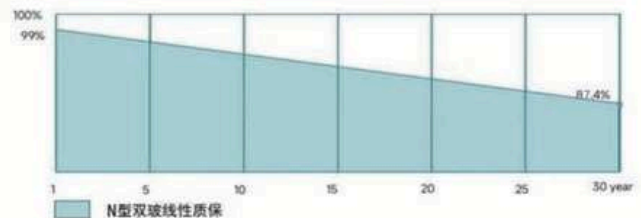
Model	X2000W			
General				
Battery capacity	3000Wh			
Cell type	LiFePO4			
Dimension(L*W*H)	15.35*8.27*16.93in/390*210*430mm			
Discharge temperature	-4-113°F/-20-45°C			
Working humidity	10-90%			
AC Output				
Rated power	2000W default			
Waveform	Pure sine wave			
Voltage	110VAC/120VAC		220-240VAC	
DC Output				
USB-A*2	Voltage	5VDC		
	Current	4.5A		
USB-C*2	Voltage	5V	9V	12V
	Current	4.5A	2A	1.5A
DC output terminal	Voltage	12V		
	Power	10A max		
DC Input(Anderson charging port)				
AC adaptor charging	Voltage	29.2V		
	Current	20A default,50A max		
PV charging	Voltage	30V-60V		
	Power	1000W max		



Double Glass Topcon Module CSGxxxNS2DGHC-144 (xxx=565W-590W)



Module Superior Warranty



Warranty: 30 years performance warranty, less 1.0% degradation in the first year, and less 0.4% Annual degradation from 2nd till 30th year, still Remaining 87.4% of nominated power generation In the last year.

Warranty date starts from date of B/L.



Production Performance



Around 40 years experience in manufacturing industry, with PV chain from silicon material, wafer, solar glass.



Tested and certified by TUV/CQC with high quality under extreme conditions (Temp. Loading, Hitting)



The good weak light performance (morning, evening and cloudy days) has been tested and approved by professional third-party



Guarantee from 0 to +6W as power tolerance



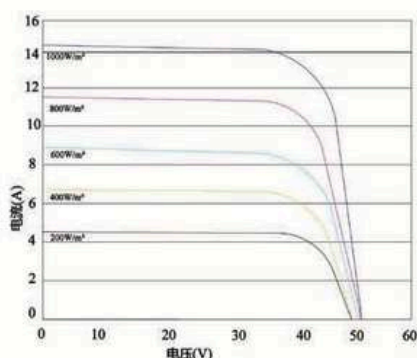
100% EL test before and after lamination, finished products EL test, Providing higher quality assurance.



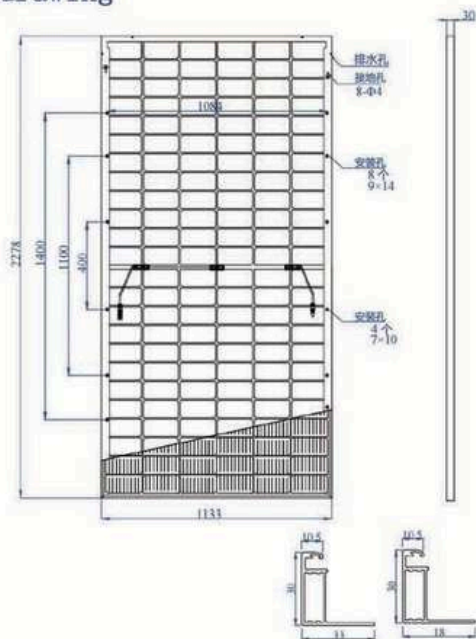
Pass IEC, TUV, PID Test, Fire Test, EMC, CQC and LVD Test.

I-V

CSG580W



drawing



Electrical data (STC)

Cell	Topcon cells 182×91mm 156pcs(6×13×2)—16bus bar					
Max power	565	570	575	580	585	590
tolerance	0 ~ +6W					
Voltage at Pmax (Vmp)	41.14	42.29	42.44	42.59	42.74	42.93
Current at Pmax (Imp)	13.41	13.48	13.55	13.62	13.69	13.75
Open circuit voltage (Voc)	50.78	51.07	51.27	51.47	51.67	51.89
Short circuit current (Isc)	14.19	14.25	14.31	14.37	14.43	14.49
Max system voltage (VDC)	1500					
Module efficiency (%)	21.87	22.07	22.26	22.45	22.64	22.83
No. of bypass diodes (pcs)	3					
Max series fuse(A)	30A					
Temp coefficient of Pmax	-0.350%/℃					
Temp coefficient of Voc	-0.284%/℃					
Temp coefficient of Isc	0.050%/℃					
Operating temp.	45±2 ℃					

STC: Irradiance 1000W/m², Cell Temperature 25 ℃, Air Mass 1.5

Mechanical data

Cable	Φ=4mm ² , L=300±5mm (length can be customized)
Connector	Compatible MC4 type
Size A×B×C	2278×1134×30mm
Weight	33kg
Drain holes(pcs)	8
Construction	2.0 mm High Transmission, Low iron Tempered
Encapsulation	Glass, EVA/POE
Junction box	IP68 rated
Frame	Anodized aluminum alloy

Qualification test parameters

Dielectric insulation voltage	Max 6000VDC
Operating temp.	-40℃~+85℃
Max static load	5400Pa
Hail stone impact	25mm(1inch) at 23m/s
Fire rating	Class A

Package

Module per box	36pcs/box	
Module per container	720pcs/40HQ	144pcs/20GP
Modules per flatcar	792pcs/13.5m	864pcs/17.5m



- High frequency inverter, lighter weight with higher efficiency
- Output power factor PF=1
- Lithium battery activation start function with ac and solar mode
- Parallel function to expansion power
- Higher solar charging efficiency and battery protection
- Pure sine wave output, adaptable to different loads
- 500V high PV input
- Optional WIFI function
- Working with or without battery

High frequency solar inverter data sheet							
Model		3024JMH	3624JMH	5548JMH	6248JMH	8048JMH	11048JMH
Input	Phase	L+N+PE					
	Nominal Voltage	220/230/240VAC					
	Voltage Range	90-280VAC±3V (Normal Mode) 170-280VAC±3V (UPS Mode)					
	Frequency Range	50Hz/60Hz(Adaptive)					
Output	Rated Power	3000W	3600W	5500W	6200W	8000W	11000W
	Output Voltage(AC)	220/230/240VAC±5%					
	Output Frequency	50/60Hz±0.1%					
	Waveform	Pure sine wave					
	Transfer Time(Optional)	≤10ms(UPS mode)≤20ms (INV mode)					
	Peak power	6000VA	7200VA	10000VA	12400VA	16000VA	22000VA
	Overload	Battery Mode : 21s@105%~150% Load 11s@150%~200% Load 400ms@>200% Load					
	Peak efficiency (battery mode)	>94%	>94%	>94%	>94%	>94%	>94%
Battery	Rated voltage	24Vdc	24Vdc	48Vdc	48Vdc	48Vdc	48Vdc
	Constant voltage charging voltage (Optional)	28.2Vdc	28.2Vdc	56.4Vdc	56.4Vdc	56.4Vdc	56.4Vdc
	Floating charge voltage (Optional)	27Vdc	27Vdc	54Vdc	54Vdc	54Vdc	54Vdc
charger	PV charging method	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT
	PV max input power	4200W	4200W	5500W	6200W	2x5500W	2x5500W
	MPPT tracking range	120~500Vdc	120~500Vdc	120~500Vdc	120~500Vdc	90~500Vdc	90~500Vdc
	Max PV input voltage	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc
	Max PV charging current	100A	100A	100A	100A	120A	150A
	Max AC charging current	60A	80A	60A	80A	100A	120A
	Max charging current	100A	100A	100A	120A	120A	160A
Display	LCD display	Operating mode/load/input/output, etc.					
Communication port	RS232	Baud rate 2400					
	Expansion & configuration port	Lithium battery BMS communication card, WIFI card, dry contact card, etc.					
	Parallel interface	NO		Optional			
Environmental parameters	Operating environment temperature	-10~50℃					
	Operating environment humidity	20%~95% (Non condensing)					
	Storage temperature	-15~60℃					
	Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m, refer to IEC62040					
	noise	≤50db					
Certifications		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1					

ESS 100KWh/215KWh - 50KVA/100KVA



0.5MWH/1MWH/1.5MWH/2MWH



装货图/Container pictures



主要设备/Main equipment



主要供应链

Primary Supply Chain







Global Market Presence



Factory+Global Branches



Whatsapp: +86 15810758185
<https://www.liushi-battery.com/>