

Specialized in lithium-ion battery energy storage solutions
专注储能锂电解决方案

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Wall-mounted lithium Ion Battery
壁挂式锂电池



Solar street light battery
太阳能路灯电池



Lithium Iron Phosphate Battery
磷酸铁锂储能电池



Portable power station
便携式电源

Company Display 公司展示



Exterior View 公司外景



Glory Wall 荣誉墙



Sample Room 样品间



Development Room 研发室



Cycle Life Tester 循环测试仪



Welding Equipment 激光焊接设备



Workshop No.1 一厂产线



Workshop No.1 一厂产线



Workshop No.1 一厂产线



Workshop No.2 二厂产线



Workshop No.2 二厂产线



Workshop No.2 二厂产线

Complete Solar Energy System 整套系统

sanopower provides you with a complete solar power supply system (including lithium batteries, solar inverters, solar panels, distribution boxes, etc.), covering 3kw-200kw, off-grid, on-grid, and hybrid grid energy storage systems, completely based on your actual conditions and needs to be designed to meet your power needs best!

三合汇通为您提供完整的太阳能供电系统（包括锂电池，太阳能逆变器，太阳能板，配电箱，涵盖离网、等）并网、离并网储能系统，完全根据您的实际情况以及需要设计，最大程度地满足您的电力需求！



Technical Specification 技术参数表

系统配置 System Spec	配件列表 Component list	规格 Specification	数量 QTY
5KW 220VAC Off-grid single-phase system	逆变器 Inverter	5KW,220VAC,50/60HZ, Off-grid type	1 PCS
	锂电池 Lithium battery	51.2V100AH battery, 100AMP BMS	1 PCS
	光伏板 PV panel	550W Mono PV panel	18 PCS
	交流配电箱 AC distribution box	220VAC,63A,14KW	1 PCS
	光伏汇流箱 PV combiner box	550VDC,20A,2 WAYS	1 PCS
	光伏支架（地面安装） PV Brakcet (Ground-mount)	10 PANELS PER SET	2 SETS
	AC 电缆 AC cable	Line/Neutral cable	20 METERS
	PV 电缆 PV cable	Positive/Negative cable	100 METERS
	MC4 插头 MC4 connector	1500VDC, 30A	18 PAIRS
	理线槽 PVC cable slot	50*80MM	3 METERS
	电池断路器 Battery switch	500VDC,2P, 150A	1 PCS
10KW 220VAC Hybrid single-phase system	逆变器 Inverter	10KW,220VAC,50/60HZ, Hybrid type	1 PCS
	锂电池 Lithium battery	51.2V200AH battery, 200AMP BMS	2 PCS
	光伏板 PV panel	550W Mono PV panel	20 PCS
	交流配电箱 AC distribution box	220VAC,63A,14KW	1 PCS
	光伏汇流箱 PV combiner box	550VDC,20A,2 WAYS	1 PCS
	光伏支架（地面安装） PV Brakcet (Ground-mount)	10 PANELS PER SET	2 SETS
	AC 电缆 AC cable	Line/Neutral cable	20 METERS
	PV 电缆 PV cable	Positive/Negative cable	100 METERS
	MC4 插头 MC4 connector	1500VDC, 30A	20 PAIRS
	理线槽 PVC cable slot	50*80MM	3 METERS
	电池断路器 Battery switch	500VDC,2P, 250A	1 PCS
30KW 380VAC Off-grid three-phase system	逆变器 Inverter	10KW,380VAC,50/60HZ, Off-grid type	3 PCS
	锂电池 Lithium battery	51.2V300AH battery, 200AMP BMS	4 PCS
	光伏板 PV panel	580W Mono PV panel	54 PCS
	交流配电箱 AC distribution box	380VAC,80A,30KW	1 PCS
	光伏汇流箱 PV combiner box	550VDC,20A,2 WAYS	3 PCS
	光伏支架（地面安装） PV Brakcet (Ground-mount)	10 PANELS PER SET	6 SETS
	AC 电缆 AC cable	Line/Neutral cable	60 METERS
	PV 电缆 PV cable	Positive/Negative cable	300 METERS
	MC4 插头 MC4 connector	1500VDC, 30A	60 PAIRS
	理线槽 PVC cable slot	50*80MM	8 METERS
	电池断路器 Battery switch	500VDC,2P, 250A	3 PCS

Lithium iron phosphate battery

磷酸铁锂储能电池



Features 产品特点

- 6000 times of deepdischarge cycle
6000 次以上循环寿命
- Maintenance-free, low self-discharge rate
免维护、低自放电率
- BMS protection
过充、过放、过流、短路保护
- 70% lighter than lead acid at the same capacity
同等容量下，比铅酸重量轻 70%
- Support serial use
支持串联使用
- Screen and bluetooth optional
屏幕和蓝牙功能可选



Technical Specification 技术参数表

型号 Model	CD-1212-LFP	CD-1224-LFP	CD-1250-LFP	CD-12100-LFP	CD-12150-LFP	CD-12200-LFP	CD-2450-LFP	CD-24100-LFP	CD-24150-LFP	CD-24200-LFP
标称电压 Nominal Voltage	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	25.6V	25.6V	25.6V	25.6V
标称容量 Nominal Capacity	12AH	24AH	50AH	100AH	150AH	200AH	50AH	100AH	150AH	200AH
电池能量 Battery energy	153.6WH	307.2WH	640WH	1.28KWH	1.92KWH	2.56KWH	1.28KWH	2.56KWH	3.84KWH	5.12KWH
电芯类型 Cell type	磷酸铁锂方块电芯 Lithium iron phosphate (LiFePO4)prismatic battery cell									
自放电率 Self-Discharge Rate	≤ 3% 每月 @25°C ≤ 3%per month@25°C									
电池内阻 Battery pack resistance	≤ 50mΩ									
循环寿命 Cycle life	6000 次循环 @80% 放电深度 @0.5C 放电倍率 6000 cycles @80%DOD @0.5C									
工作电压范围 Working voltage range	10V~14.6V					20V~29.2V				
充电倍率 Charge rate(max)	0.5C									
放电倍率 Discharge rate(max)	1C									
串联数量 Series connection(max)	4 pcs					2 pcs				
充电方式 Charge mode	恒流 / 恒压 CC-CV									
保护板功能 BMS function	过充, 过放, 过流, 短路保护, 均衡功能 Overcharge,overdischarge,overcurrent,short circuit protection,equalization function									
充电温度范围 Charging temperature	0~45°C									
放电温度范围 Discharging temperature	20°C ~+60°C									
存储温度范围 Storage temperature	205°C ~+45°C (1 个月内)/0°C ~35°C (1 年) 20°C ~+45°C (within one month)/0° C~35°C (one year)									
端子类型 Terminal type	F12	M6		M8						
防护等级 IP level	IP65									
外壳材质 Casing material	ABS									
外壳尺寸 Casing size(mm)	151*99*98	176x166x125	229*138*208	260*168*209	330*175*220	520*269*220	330*175*220	483*170*240	520*269*220	520*269*220
净重 Net Weight	1.5KG	3KG	5KG	8KG	13.6KG	19.5KG	10KG	16.5KG	27.5KG	35.5KG
毛重 Gross weight	2.2KG	3.8KG	6KG	9KG	14.6KG	21KG	11KG	17.5KG	29KG	37KG

24V Wall-mounted Battery

24V 壁挂式锂电池



Features 产品特点

- Multiple models, suitable for 24V system/balcony solar system/micro essf deepdischarge cycle
多种型号，适用于 24V 系统 / 阳台储能系统 / 微型储能
- Battery cell cycle life ≥ 6000 times (80% DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Compact design, easy to install
设计小巧，安装方便
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护

Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-PWB24100	CD-PWB24130	CD-PWB24150	CD-PWB24200
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)			
	标称电压 Nominal capacity	25.6V			
	标称容量 Nominal Capacity	100AH	130AH	150AH	200AH
	电池能量 Battery energy	2.56KWH	3.32KWH	3.84KWH	5.12KWH
	输出功率 Output power	2.56KW	3.32KW	3.84KW	5.12KW
	自放电率 Self-discharge rate	<3% 每月 <3% per month			
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate			
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell			
	电芯布局 Battery cell layout	8S1P	8S2P	8S1P	8S1P
	产品尺寸 Product dimension	430*350*145mm	503*403*137mm	530*480*165mm	475*505*156mm
	净重量 Net weight	26.5 KG/58.42 LBS	31 KG/68.34 LBS	37.5KG/82.67 LBS	47 KG/103.62 LBS
	防护级别 IP level	IP54			
	最大并联数 MAX parallel	"PLUS Model: 16 PCS Basic Model: 不支持 Not supported"			
	工作温度 Working temperature	-20° C~60° C; 建议在 0° C~40° C 范围内使用; -20° C~60° C/-4° F~140° F; It's advised to be used at the range of 0° C~40° C/32° F~104° F			
	储存温 Storage temperature	短期 (1 个月内): -20° C~45° C; 长期 (1 年内): 10C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F; Long term(within 1 year):10° C~40° C/50° F~104° F			
	电池端子 Power terminal	PLUS Model: 免工具快插端子 Tool-free quick connect terminals Basic Model: M8			
保护板特性 BMS characteristic	最大放电电流 Max discharge current	100A			
	最大充电电流 Max charge current	100A			
	放电保护电压 Discharge protection voltage	20.8V			
	充电保护电压 Charge protection voltage	29.2V			
	浮充电压 Float charge voltage	29.2V			
	过流保护 Overcurrent protection	100A	105A	100A	100A
	保护板预充功能 BMS pre-charge function	PLUS Model: 支持, 预充时间范围 1ms~5000ms Suported, pre-charge time range 1ms~5000ms Basic Model: 不支持 Not supported			
	短路保护 Short-circuit protection	PLUS Model: 支持, 充电后释放 Supported, recover when re-charge Basic Model: 移除负载后充电恢复 Charging resumes after load removal			
	通讯接口 Communication port	PLUS Model: RS485/CAN Basic Model: 不支持 Not supported			
	通讯协议 Communication protocol	PLUS Model: Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/ SRNE etc. Basic Model: 不支持 Not supported			

Wall-mounted Lithium Ion Battery

壁挂式锂电池

Standard
model
标准型号

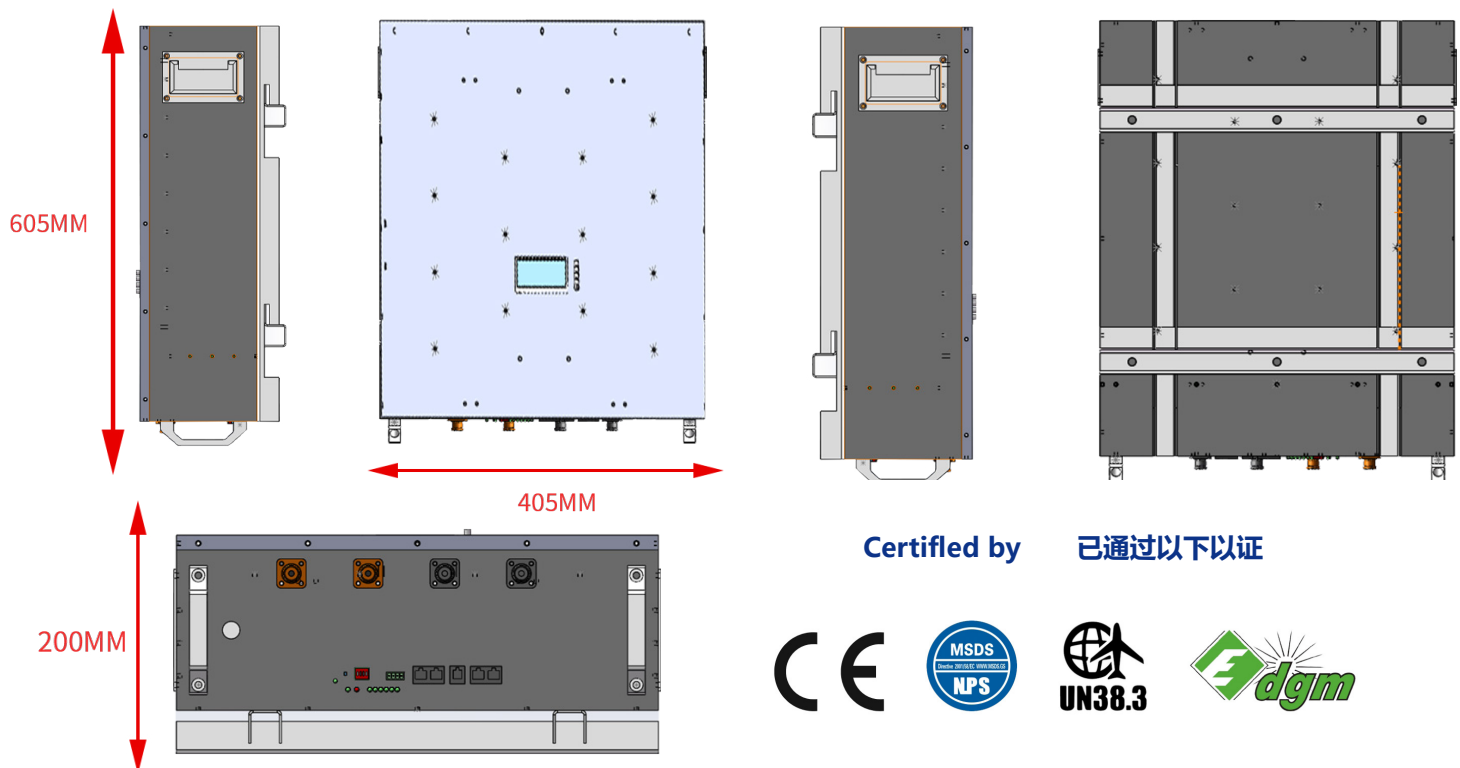
LiFeP04
磷酸铁锂

51.2V100AH
5 度 电



Features 产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times (80% DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-PWB48100	CD-PWB512100
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)	
	标称电压 Nominal capacity	48V	51.2V
	标称容量 Nominal capacity	100AH	100AH
	标称电量 Nominal energy	4.8KWH	5.12KWH
	输出功率 Output power	4.8KW	5.12KW
	自放电率 Self-discharge rate	<3% 每月 <3% per month	
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate	
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell	
	电芯布局 Battery cell layout	15S1P	16S1P
	产品尺寸 Product dimension	605*405*200mm	
	包装尺寸 Packing dimension	650*610*410mm	
	净重量 Net weight	45 KG/100 LBS	47 KG/103 LBS
	毛重 Gross weight	58 KG/128 LBS	60 KG/132 LBS
	防护级别 IP level	IP54	
	最大并联数 MAX parallel	16 PCS	
	工作温度 Working temperature	-20° C~60° C; 建议在 0° C~40° C 范围内使用; -20° C~60° C/-4° F~140° F; It's advised to be used at the range of 0° C~40° C/32° F~104° F	
	储存温度 Storage temperature	短期 (1 个月内): -20° C~45°; 长期 (1 年内): 10C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F; Long term(within 1 year):10° C~40° C/50° F~104° F	
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals	
保护板特性 BMS characteristic	最大放电电流 Max discharge current	100A	
	最大充电电流 Max charge current	100A	
	放电保护电压 Discharge protection voltage	40.5V	43.2V
	充电保护电压 Charge protection voltage	54.75V	58.4V
	浮充电压 Float charge voltage	54V	57.6V
	过流保护 Overcurrent protection	110A	
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported, pre-charge time range 1ms~5000ms	
	短路保护 Short-circuit protection	支持, 充电后释放 Supported, recover when re-charge	
	通讯接口 Communication port	RS485/CAN	
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/ SRNE	

Wall-mounted Lithium Ion Battery

壁挂式锂电池

Standard
model
标准型号

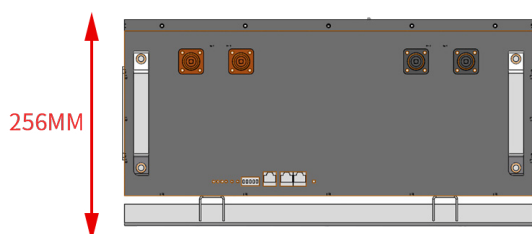
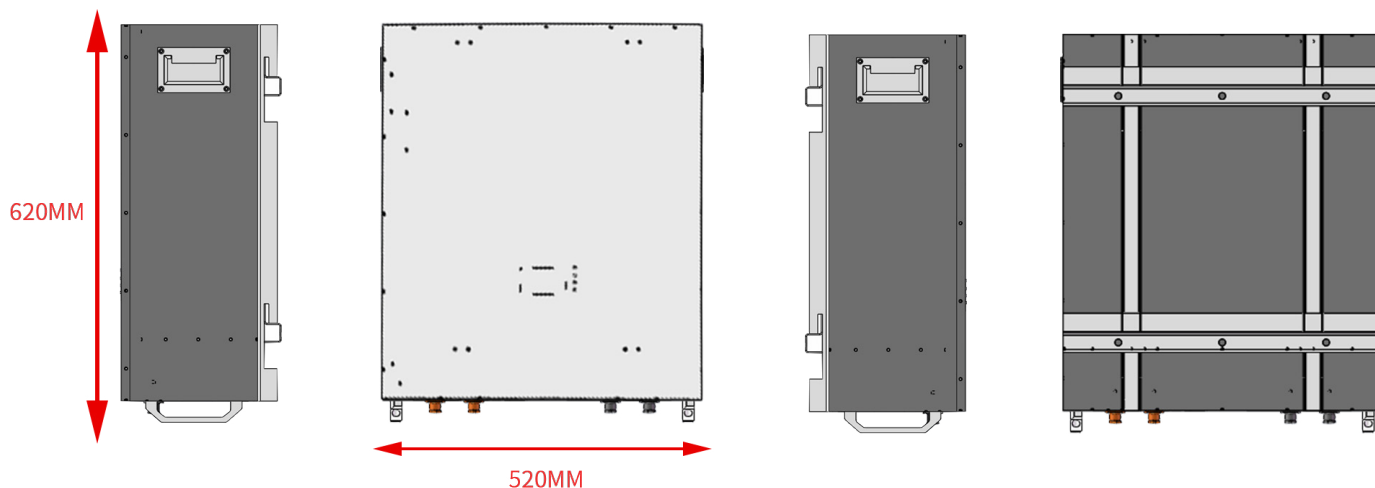
LiFeP04
磷酸铁锂

51.2V200AH
10 度电



Features 产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times (80% DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



Certified by 已通过以下以证



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-PWB48200	CD-PWB512200
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)	
	标称电压 Nominal capacity	48V	51.2V
	标称容量 Nominal capacity	202AH	202AH
	标称电量 Nominal energy	9.7KWH	10.34KWH
	输出功率 Output power	4.8KW (默认) /7.2KW (可选) /9.6KW (可选) 4.8KW(Default)/7.2KW(Optional)/9.6KW(Optional)	5.12KW (默认) /7.68KW (可选) /10.24KW (可选) 5.12KW(Default)/7.68KW(Optional)/10.24KW(Optional)
	自放电率 Self-discharge rate	<3% 每月 <3% per month	
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate	
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell	
	电芯布局 Battery cell layout	15S1P	16S1P
	产品尺寸 Product dimension	620*520*256mm	
	包装尺寸 Packing dimension	730*610*400mm	
	净重量 Net weight	80 KG/176 LBS	84 KG/185 LBS
	毛重 Gross weight	94 KG/207 LBS	98 KG/216 LBS
	防护级别 IP level	IP54	
	最大并联数 MAX parallel	16 PCS	
	工作温度 Working temperature	-20° C~60° C; 建议在 0° C~40° C 范围内使用; -20° C~60° C/-4° F~140° F; It's advised to be used at the range of 0° C~40° C/32° F~104° F	
	储存温度 Storage temperature	短期 (1 个月内): -20° C~45° C; 长期 (1 年内): 10° C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F; Long term(within 1 year):10° C~40° C/50° F~104° F	
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals	
保护板特性 BMS characteristic	最大放电电流 Max discharge current	100(默认) 150A(可选) 200A(可选) 100A(Default)/150A(Optional)/200A(Optional)	
	最大充电电流 Max charge current	100(默认) 150A(可选) 200A(可选) 100A(Default)/150A(Optional)/200A(Optional)	
	放电保护电压 Discharge protection voltage	40.5V	43.2V
	充电保护电压 Charge protection voltage	54.75V	58.4V
	浮充电压 Float charge voltage	54V	57.6V
	过流保护 Overcurrent protection	110A(默认)/160A(150A 型号)/210A(200A 型号) 110A(Default)/160A(150A model)/210A(200A model)	
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported, pre-charge time range 1ms~5000ms	
	短路保护 Short-circuit protection	支持, 充电后释放 Supported, recover when re-charge	
	通讯接口 Communication port	RS485/CAN	
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/SRNE	

Wall-mounted Lithium Ion Battery

壁挂式锂电池

Standard
model
标准型号

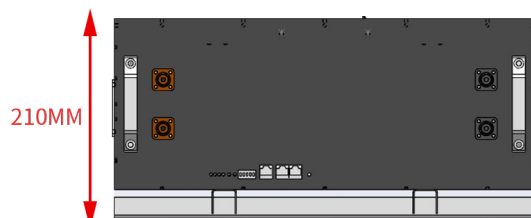
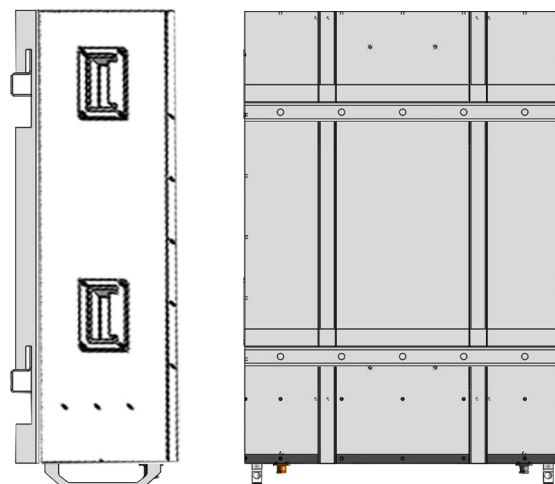
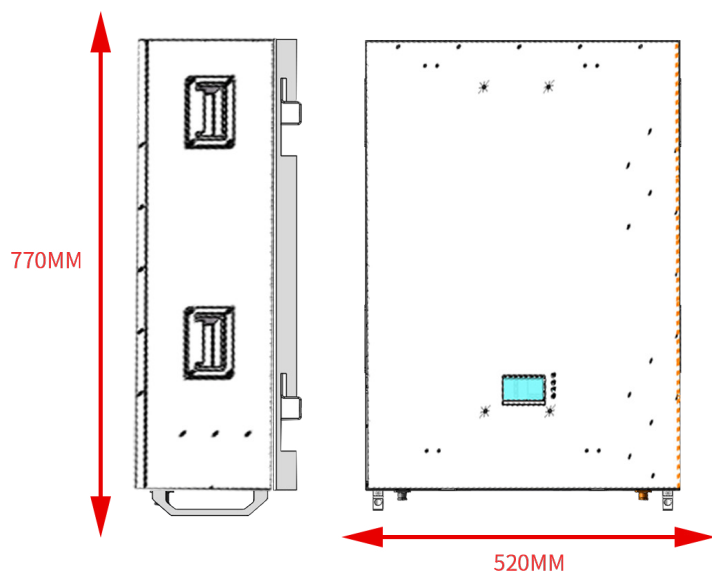
LiFeP04
磷酸铁锂

51.2V300AH
15 度电



Features 产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times(80%DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-PWB48300	CD-PWB512300
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)	
	标称电压 Nominal capacity	48V	51.2V
	标称容量 Nominal capacity	304AH	304AH
	标称电量 Nominal energy	14.6KWH	15.56KWH
	输出功率 Output power	4.8KW(默认)/7.2KW(可选)/9.6KW(可选) 4.8KW(Default)/7.2KW(Optional)/9.6KW(Optional)	5.12KW(默认)/7.68KW(可选)/10.24KW(可选) 5.12KW(Default)/7.68KW(Optional)/10.24KW(Optional)
	自放率 Self-discharge rate	<3% 每月 <3% per month	
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate	
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell	
	电芯布局 Battery cell layout	15S1P	16S1P
	产品尺寸 Product dimension	770*520*210mm	
	包装尺寸 Packing dimension	840*610*400mm	
	净重量 Net weight	107 KG/236 LBS	113 KG/250 LBS
	毛重 Gross weight	122 KG/269 LBS	128 KG/282 LBS
	防护级别 IP level	IP54	
	最大并联数 MAX parallel	16 PCS	
	工作温度 Working temperature	-20° C~60° C; 建议在 0° C~40° C 范围内使用; -20° C~-60° C/-4° F~140° F; It's advised to be used at the range of 0° C~40° C/32° F~104° F	
	储存温度 Storage temperature	短期 (1 个月内):-20° C~45° C; 长期 (1 年内): 10° C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F; Long term(within 1 year):10° C~40° C/50° F~104° F	
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals	
保护板特性 BMS characteristic	最大放电电流 Max discharge current	100(默认) 150A(可选) 200A(可选) 100A(Default)/150A(Optional)/200A(Optional)	
	最大充电电流 Max charge current	100(默认) 150A(可选) 200A(可选) 100A(Default)/150A(Optional)/200A(Optional)	
	放电保护电压 Discharge protection voltage	40.5V	43.2V
	充电保护电压 Charge protection voltage	54.75V	58.4V
	浮充电压 Float charge voltage	54V	57.6V
	过流保护 Overcurrent protection	110A (默认)/160A (150A 型号)/210A(200A 型号) 110A(Default)/160A(150A model)/210A(200A model)	
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported, pre-charge time range 1ms~5000ms	
	短路保护 Short-circuit protection	支持, 充电后释放 Supported, recover when re-charge	
	通讯接口 Communication port	RS485/CAN	
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/SRNE	

Rack-mounted Lithium Ion Battery 机架式锂电池

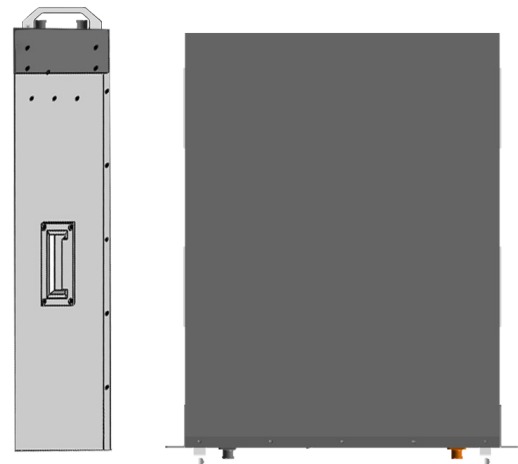
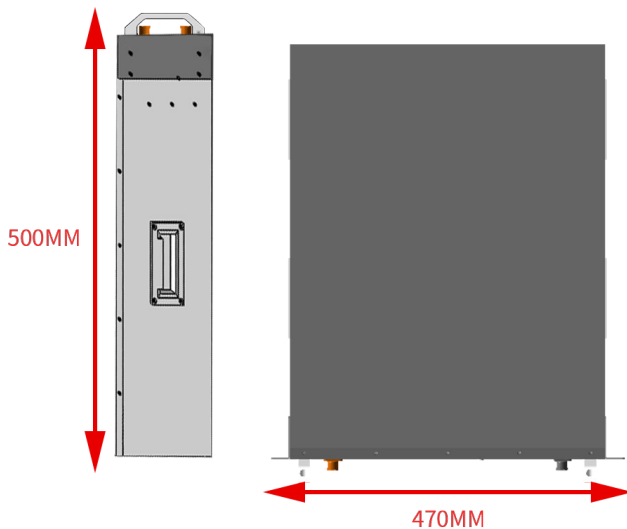
Standard
model
标准型号

LiFeP04
磷酸铁锂

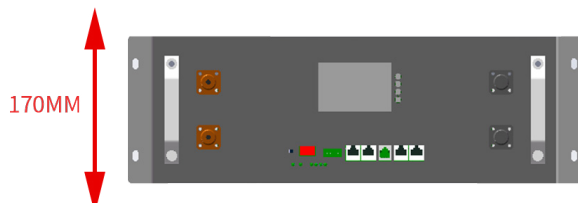
51.2V100AH
5 度 电

Features 产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times(80%DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



Certified by 已通过以下以证



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-SRB48100	CD-SRB512100
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)	
	标称电压 Nominal capacity	48V	51.2V
	标称容量 Nominal capacity	100AH	100AH
	标称电量 Nominal energy	4.8KWH	5.12KWH
	输出功率 Output power	4.8KW	5.12KW
	自放电率 Self-discharge rate	<3% 每月 <3% per month	
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate	
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell	
	电芯布局 Battery cell layout	15S1P	16S1P
	产品尺寸 Product dimension	500*470*170mm	
	包装尺寸 Packing dimension	650*610*410mm	
	净重量 Net weight	42 KG/93 LBS	44 KG/103 LBS
	毛重 Gross weight	52 KG/115 LBS	60 KG/132 LBS
	防护级别 IP level	IP54	
	最大并联数 MAX parallel	16 PCS	
	工作温度 Working temperature	-20° C~60° C; 建议在 0° C~40° C 范围内使用; -20° C~60° C/-4° F~140° F; It's advised to be used at the range of 0° C~40° C/32° F~104° F	
	储存温度 Storage temperature	短期 (1 个月内): -20° C~45° C; 长期 (1 年内): 10° C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F; Long term(within 1 year):10° C~40° C/50° F~104° F	
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals	
	最大放电电流 Max discharge current	100A	
保护板特性 BMS characteristic	最大充电电流 Max charge current	100A	
	放电保护电压 Discharge protection voltage	40.5V	43.2V
	充电保护电压 Charge protection voltage	54.75V	58.4V
	浮充电压 Float charge voltage	54V	57.6V
	过流保护 Overcurrent protection	110A	
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported, pre-charge time range 1ms~5000ms	
	短路保护 Short-circuit protection	支持, 充电后释放 Supported, recover when re-charge	
	通讯接口 Communication port	RS485/CAN	
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/SRNE	

Rack-mounted Lithium Ion Battery

机架式锂电池

Standard
model
标准型号

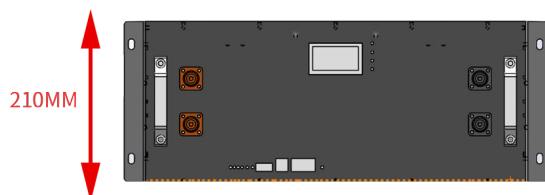
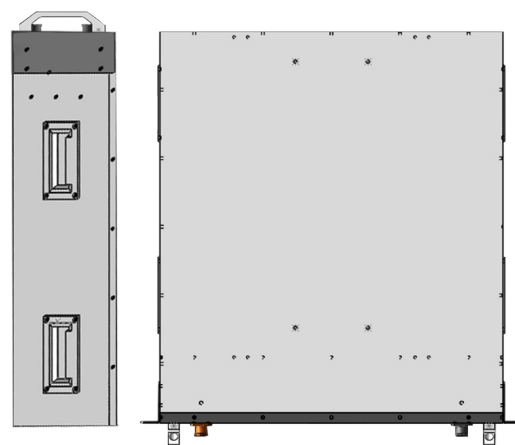
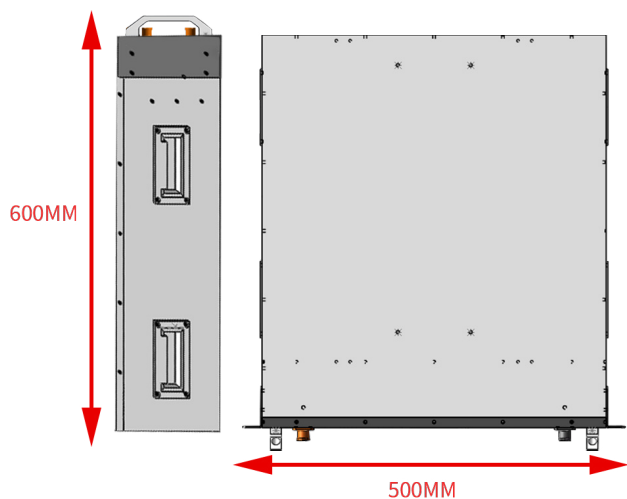
LiFeP04
磷酸铁锂

51.2V200AH
10 度电

Features

产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times(80%DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



Certified by 已通过以下以证



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-SRB48200	CD-SRB512200
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)	
	标称电压 Nominal capacity	48V	51.2V
	标称容量 Nominal capacity	202AH	202AH
	标称电量 Nominal energy	9.7KWH	10.34KWH
	输出功率 Output power	4.8KW(默认)/7.2KW(可选)/9.6KW(可选) 4.8KW(Default)/7.2KW(Optional)/9.6KW(Optional)	5.12KW(默认)/7.68KW(可选)/10.24KW(可选) 5.12KW(Default)/7.68KW(Optional)/10.24KW(Optional)
	自放电率 Self-discharge rate	<3% 每月 <3% per month	
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate	
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell	
	电芯布局 Battery cell layout	15S1P	16S1P
	产品尺寸 Product dimension	600*500*210mm	
	包装尺寸 Packing dimension	730*610*400mm	
	净重量 Net weight	78 KG/172 LBS	82 KG/180 LBS
	毛重 Gross weight	91 KG/200 LBS	95 KG/210 LBS
	防护级别 IP level	IP54	
	最大并联数 MAX parallel	16 PCS	
	工作温度 Working temperature	-20° C~60° C; 建议在 0° C~40° C 范围内使用; -20° C~60° C/-4° F~140° F; It's advised to be used at the range of 0° C~40° C/32° F~104° F	
	储存温度 Storage temperature	短期 (1 个月内): -20° C~45° C; 长期 (1 年内): 10° C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F; Long term(within 1 year):10° C~40° C/50° F~104° F	
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals	
保护板特性 BMS characteristic	最大放电电流 Max discharge current	100(默认) 150A(可选) 200A(可选) 100A(Default)/150A(Optional)/200A(Optional)	
	最大充电电流 Max charge current	100(默认) 150A(可选) 200A(可选) 100A(Default)/150A(Optional)/200A(Optional)	
	放电保护电压 Discharge protection voltage	40.5V	43.2V
	充电保护电压 Charge protection voltage	54.75V	58.4V
	浮充电压 Float charge voltage	54V	57.6V
	过流保护 Overcurrent protection	110A (默认)/160A (150A 型号)/210A(200A 型号) 110A(Default)/160A(150A model)/210A(200A model)	
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported, pre-charge time range 1ms~5000ms	
	短路保护 Short-circuit protection	支持, 充电后释放 Supported, recover when re-charge	
	通讯接口 Communication port	RS485/CAN	
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/SRNE	

Rack-mounted Lithium Ion Battery

机架式锂电池

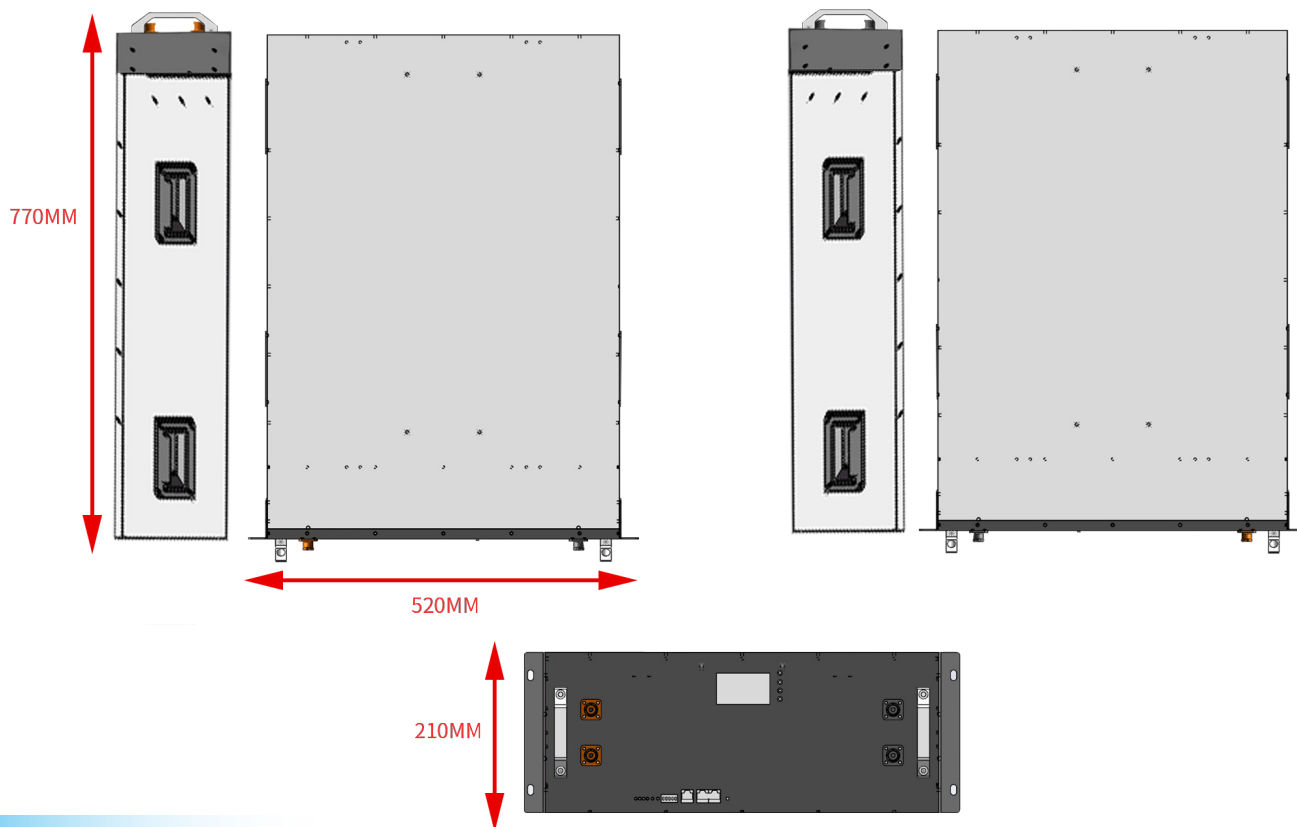
Standard
model
标准型号

LiFeP04
磷酸铁锂

51.2V300AH
15 度电

Features 产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times(80%DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-SRB48300	CD-SRB512300
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)	
	标称电压 Nominal capacity	48V	51.2V
	标称容量 Nominal capacity	304AH	304AH
	标称电量 Nominal energy	14.6KWH	15.56KWH
	输出功率 Output power	4.8KW(默认)/7.2KW(可选)/9.6KW(可选) 4.8KW(Default)/7.2KW(Optional)/9.6KW(Optional)	5.12KW(默认)/7.68KW(可选)/10.24KW(可选) 5.12KW(Default)/7.68KW(Optional)/10.24KW(Optional)
	自放电率 Self-discharge rate	<3% 每月 <3% per month	
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate	
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell	
	电芯布局 Battery cell layout	15S1P	16S1P
	产品尺寸 Product dimension	780*520*210mm	
	包装尺寸 Packing dimension	850*610*400mm	
	净重量 Net weight	106 KG/234 LBS	112 KG/247 LBS
	毛重 Gross weight	121 KG/267 LBS	127 KG/280 LBS
	防护级别 IP level	IP54	
	最大并联数 MAX parallel	16 PCS	
	工作温度 Working temperature	-20° C~60° C; 建议在 0° C~40° C 范围内使用; -20° C~60° C/-4° F~140° F; It's advised to be used at the range of 0° C~40° C/32° F~104° F	
	储存温度 Storage temperature	短期 (1 个月内): -20° C~45° C; 长期 (1 年内): 10° C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F; Long term(within 1 year):10° C~40° C/50° F~104° F	
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals	
保护板特性 BMS characteristic	最大放电电流 Max discharge current	100A (默认) /150A (可选) /200A (可选) 100A(Default)/150A(Optional)/200A(Optional)	
	最大充电电流 Max charge current	100A (默认) 150A (可选) 200A (可选) 100A(Default)/150A(Optional)/200A(Optional)	
	放电保护电压 Discharge protection voltage	40.5V	43.2V
	充电保护电压 Charge protection voltage	54.75V	58.4V
	浮充电压 Float charge voltage	54V	57.6V
	过流保护 Overcurrent protection	110A (默认) /160A (150A 型号) /210A (200A 型号) 110A(Default)/160A(150A model)/210A(200A model)	
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported, pre-charge time range 1ms~5000ms	
	短路保护 Short-circuit protection	支持, 充电后释放 Supported, recover when re-charge	
	通讯接口 Communication port	RS485/CAN	
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/SRNE	

Wheel-type Lithium Ion battery 轮子款锂电池

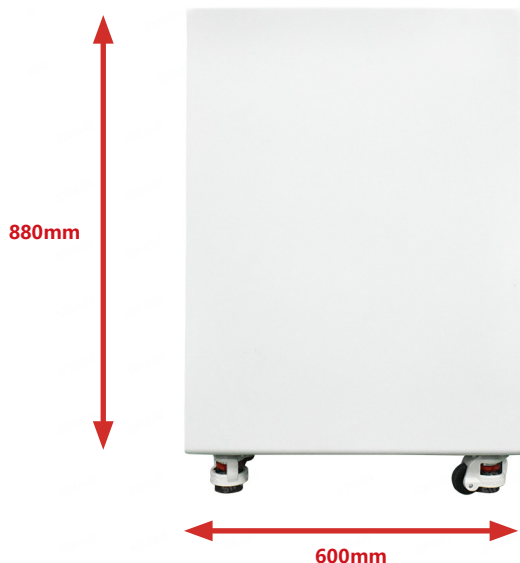
Standard
model
标准型号

LiFeP04
磷酸铁锂

51.2V300AH
15 度电

Features 产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times(80%DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



Certified by 已通过以下以证



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-WTB512300
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)
	标称电压 Nominal capacity	51.2V
	标称容量 Nominal capacity	304AH
	标称电量 Nominal energy	15.564KWH
	输出功率 Output power	10.24KW
	自放电率 Self-discharge rate	<3% 每月 <3%per month
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell
	电芯布局 Battery cell layout	16S1P
	产品尺寸 Product dimension	600*300*880mm
	包装尺寸 Packing dimension	690*390*1070mm
	净重量 Net weight	131 KG/288.81 LBS
	毛重 Gross weight	148 KG/326.28 LBS
	防护级别 IP level	IP54
	最大并联数 MAX parallel	16 PCS
	工作温度 Working temperature	-20° C~60° C; 建议在 0C~40° C 范围内使用; -20° C~60° C/-4° F~140° F;It's advised to be used at the range of 0° C~40° C/32° F~104° F
	储存温度 Storage temperature	短期 (1 个月内):-20° C~45° C; 长期 (1 年内):10C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F;Long term(within 1 year):10° C~40° C/50° F~104° F
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals
保护板特性 BMS characteristic	最大放电电流 Max discharge current	200A
	最大充电电流 Max charge current	200A
	放电保护电压 Discharge protection voltage	43.2V
	充电保护电压 Charge protection voltage	58.4V
	浮充电压 Float charge voltage	57.6V
	过流保护 Overcurrent protection	210A
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported,pre-charge time range 1ms~5000ms
	短路保护 Short-circuit protection	支持, 充电后释放 Supported,recover when re-charge
	通讯接口 Communication port	RS485/CAN
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/ SRNE

Rack-mounted Lithium Ion Battery

机架式锂电池

Standard
model
标准型号

LiFeP04
磷酸铁锂

51.2V200AH
10 度电

Features

产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times(80%DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



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Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	XCD-SRB512200-A
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)
	标称电压 Nominal capacity	51.2V
	标称容量 Nominal capacity	200AH
	标称电量 Nominal energy	10.24KWH
	输出功率 Output power	10.24KW
	自放电率 Self-discharge rate	<3% 每月 <3%per month
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell
	电芯布局 Battery cell layout	16S1P
	产品尺寸 Product dimension	770*490*135mm
	包装尺寸 Packing dimension	890*570*300mm
	净重量 Net weight	81 KG/178.57 LBS
	毛重 Gross weight	98 KG/216.05 LBS
	防护级别 IP level	IP54
	最大并联数 MAX parallel	16 PCS
	工作温度 Working temperature	-20° C~60° C; 建议在 0C~40° C 范围内使用; -20° C~60° C/-4° F~140° F;It's advised to be used at the range of 0° C~40° C/32° F~104° F
	储存温度 Storage temperature	短期 (1 个月内):-20° C~45° ; 长期 (1 年内):10C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F;Long term(within 1 year):10° C~40° C/50° F~104° F
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals
保护板特性 BMS characteristic	最大放电电流 Max discharge current	200A
	最大充电电流 Max charge current	200A
	放电保护电压 Discharge protection voltage	43.2V
	充电保护电压 Charge protection voltage	58.4V
	浮充电压 Float charge voltage	57.6V
	过流保护 Overcurrent protection	210A
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported,pre-charge time range 1ms~5000ms
	短路保护 Short-circuit protection	支持, 充电后释放 Supported,recover when re-charge
	通讯接口 Communication port	RS485/CAN
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/ Megarevo/ SRNE

Mobile Energy storage battery

移动储能电池

Standard
model
标准型号

LiFeP04
磷酸铁锂

51.2V100AH
5 度电

Features 产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times(80%DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



170mm

490mm



700mm

Certified by 已通过以下以证



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	XCD-WTB512100
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)
	标称电压 Nominal capacity	51.2V
	标称容量 Nominal capacity	100AH
	标称电量 Nominal energy	5.12KWH
	输出功率 Output power	5.12KW
	自放电率 Self-discharge rate	<3% 每月 <3%per month
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell
	电芯布局 Battery cell layout	16S1P
	产品尺寸 Product dimension	770*170*490mm
	包装尺寸 Packing dimension	890*340*570mm
	净重量 Net weight	47 KG/103.62 LBS
	毛重 Gross weight	62 KG/136.69 LBS
	防护级别 IP level	IP54
	最大并联数 MAX parallel	16 PCS
	工作温度 Working temperature	-20° C~60° C; 建议在 0C~40° C 范围内使用; -20° C~60° C/-4° F~140° F;It's advised to be used at the range of 0° C~40° C/32° F~104° F
	储存温度 Storage temperature	短期 (1 个月内):-20° C~45° ; 长期 (1 年内):10C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F;Long term(within 1 year):10° C~40° C/50° F~104° F
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals
保护板特性 BMS characteristic	最大放电电流 Max discharge current	100A
	最大充电电流 Max charge current	100A
	放电保护电压 Discharge protection voltage	43.2V
	充电保护电压 Charge protection voltage	58.4V
	浮充电压 Float charge voltage	57.6V
	过流保护 Overcurrent protection	110A
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported,pre-charge time range 1ms~5000ms
	短路保护 Short-circuit protection	支持, 充电后释放 Supported,recover when re-charge
	通讯接口 Communication port	RS485/CAN
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/ Megarevo/SRNE

Mobile energy storage battery

移动储能电池

Standard
model
标准型号

LiFeP04
磷酸铁锂

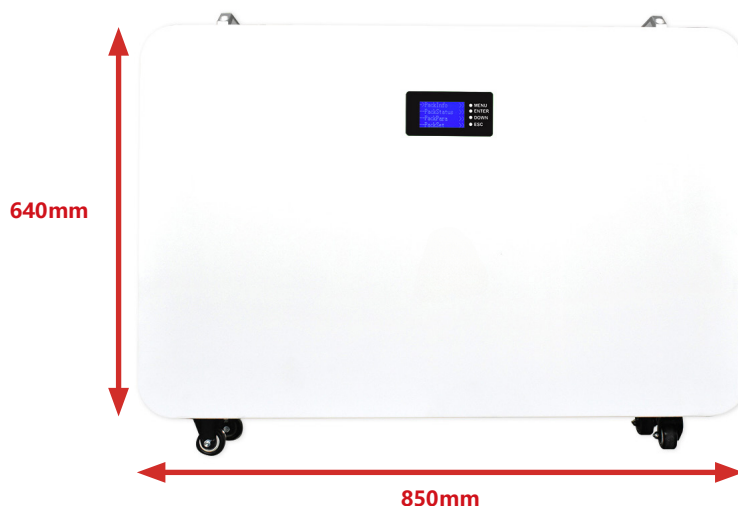
51.2V200AH
10 度电

Features 产品特点

- Support CAN/RS485 Communication
支持 CAN/RS485 通讯协议
- Battery cell cycle life ≥ 6000 times(80%DOD)
电芯循环寿命 ≥ 6000 次 (80%DOD)
- Maximum support for 16 units in parallel
支持最多 16 台并联
- Product design life of more than 10 years
产品设计寿命超 10 年
- Free maintenance
无需维护



170mm



850mm

Certified by 已通过以下以证



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	XCD-WTB5121200
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)
	标称电压 Nominal capacity	51.2V
	标称容量 Nominal capacity	200AH
	标称电量 Nominal energy	10.24KWH
	输出功率 Output power	10.24KW
	自放电率 Self-discharge rate	<3% 每月 <3%per month
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell
	电芯布局 Battery cell layout	16S1P
	产品尺寸 Product dimension	850*170*640mm
	包装尺寸 Packing dimension	970*340*730mm
	净重量 Net weight	86 KG/189.6 LBS
	毛重 Gross weight	103 KG/227.08 LBS
	防护级别 IP level	IP54
	最大并联数 MAX parallel	16 PCS
	工作温度 Working temperature	-20° C~60° C; 建议在 0C~40° C 范围内使用; -20° C~60° C/-4° F~140° F;It's advised to be used at the range of 0° C~40° C/32° F~104° F
	储存温度 Storage temperature	短期 (1 个月内):-20° C~45° ; 长期 (1 年内):10C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F;Long term(within 1 year):10° C~40° C/50° F~104° F
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals
保护板特性 BMS characteristic	最大放电电流 Max discharge current	200A
	最大充电电流 Max charge current	200A
	放电保护电压 Discharge protection voltage	43.2V
	充电保护电压 Charge protection voltage	58.4V
	浮充电压 Float charge voltage	57.6V
	过流保护 Overcurrent protection	210A
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported,pre-charge time range 1ms~5000ms
	短路保护 Short-circuit protection	支持, 充电后释放 Supported,recover when re-charge
	通讯接口 Communication port	RS485/CAN
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/ Megarevo/SRNE

Customized cabinet for rack-mount lithium battery 用于机架式电池的定制电池机柜

For rack-mount
batteries
用于机架式电池

2 to 6 layers
for options
可选 2~6 层

With acrylic
doors and
wheels
带亚克力门
和轮子



Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-SRB48600
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)
	标称电压 Nominal capacity	51.2V
	标称容量 Nominal capacity	600AH(200AH*3)
	标称电量 Nominal energy	30.72KWH
	输出功率 Output power	15.36KW(5.12KW*3)
	自放电率 Self-discharge rate	<3% 每月 <3% per month
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell
	电芯布局 Battery cell layout	16S1P
	产品尺寸 Product dimension	670*680*890mm
	净重量 Net weight	410 KG/904 LBS
	毛重 Gross weight	430 KG/948 LBS
	防护级别 IP level	IP54
	工作温度 Working temperature	-10°C ~55°C ; 建议在 0°C ~40°C范围内使用; -20° C~60° C/-4° F~140° F; It's advised to be used at the range of 0° C~40° C/32° F~104° F
	储存温度 Storage temperature	短期 (1 个月内): -20° C~45° C; 长期 (1 年内): 10° C~40° C Short term(within 1 mon):-20° C~45° C/-4° F~113° F; Long term(within 1 year):10° C~40° C/50° F~104° F
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals
	最大放电电流 Max discharge current	100A
保护板特性 BMS characteristic	最大充电电流 Max charge current	100A
	放电保护电压 Discharge protection voltage	43.2V
	充电保护电压 Charge protection voltage	57.6V
	浮充电压 Float charge voltage	57.6V
	过流保护 Overcurrent protection	110A
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported, pre-charge time range 1ms~5000ms
	短路保护 Short-circuit protection	支持, 充电后释放 Supported, recover when re-charge
	通讯接口 Communication port	RS485/CAN
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/SRNE

High-voltage Lithium Ion Battery 高压锂电池

High voltage
高压款

Voltage
192~768VDC
电压
192~768VDC

Capacity
100AH~314AH
容量
100~314AH

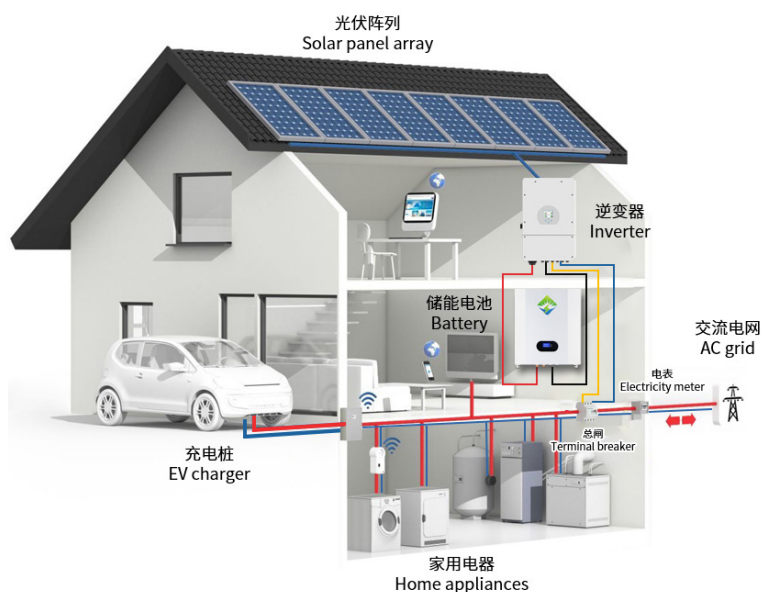


Technical Specification 技术参数表

电学特性 Electrical characteristic	型号 Model	CD-SRB192200
	电芯材料 Battery cell material	磷酸铁锂 Lithium iron phosphate(LiFePO4)
	标称电压 Nominal capacity	192V
	标称容量 Nominal capacity	200AH
	标称电量 Nominal energy	38.4KWH
	输出功率 Output power	19.2KW (默认) 19.2KW(Default)
	自放电率 Self-discharge rate	<3% 每月 <3% per month
	寿命 Lifespan	6000 次 @80% 放电深度 @0.5C 放电倍率 6000cycles@80%DOD@0.5C discharge rate
机械特性 Mechanical characteristic	电芯类型 Battery cell type	方块电芯 Prismatic battery cell
	电芯布局 Battery cell layout	60S1P
	产品尺寸 Product dimension	660*680*1290mm
	净重量 Net weight	249 KG/549 LBS
	毛重 Gross weight	269 KG/593 LBS
	防护级别 IP level	IP54
	工作温度 Working temperature	-10°C ~55°C ; 建议在 0°C ~40°C范围内使用; -20° C~-60° C/-4° F~140° F; It's advised to be used at the range of 0° C~40° C/32° F~104° F
	储存温度 Storage temperature	短期 (1 个月内):-10° C~55° C/14° F~131° F; 长期 (1 年内) : 10° C~40° C Short term(within 1 mon):-10° C~55° C/14° F~131° F; Long term(within 1 year):10° C~40° C/50° F~104° F
	电池端子 Power terminal	免工具快插端子 Tool-free quick connect terminals
保护板特性 BMS characteristic	最大放电电流 Max discharge current	100A (默认) /150A (可选) /200A (可选) 100A(Default)/150A(Optional)/200A(Optional)
	最大充电电流 Max charge current	100A (默认) /150A (可选) /200A (可选) 100A(Default)/150A(Optional)/200A(Optional)
	放电保护电压 Discharge protection voltage	162V
	充电保护电压 Charge protection voltage	219V
	浮充电压 Float charge voltage	216V
	过流保护 Overcurrent protection	110A
	保护板预充功能 BMS pre-charge function	支持, 预充时间范围 1ms~5000ms Suported, pre-charge time range 1ms~5000ms
	短路保护 Short-circuit protection	支持, 充电后释放 Supported, recover when re-charge
	通讯接口 Communication port	RS485/CAN
	通讯协议 Communication protocol	Pylontech/Goodwe/Growatt/DEYE/Sofar/Solis/Must/SMA/Luxpower/Victron/Voltronic/Megarevo/SRNE

The Function of Battery

家庭储能电池的功能

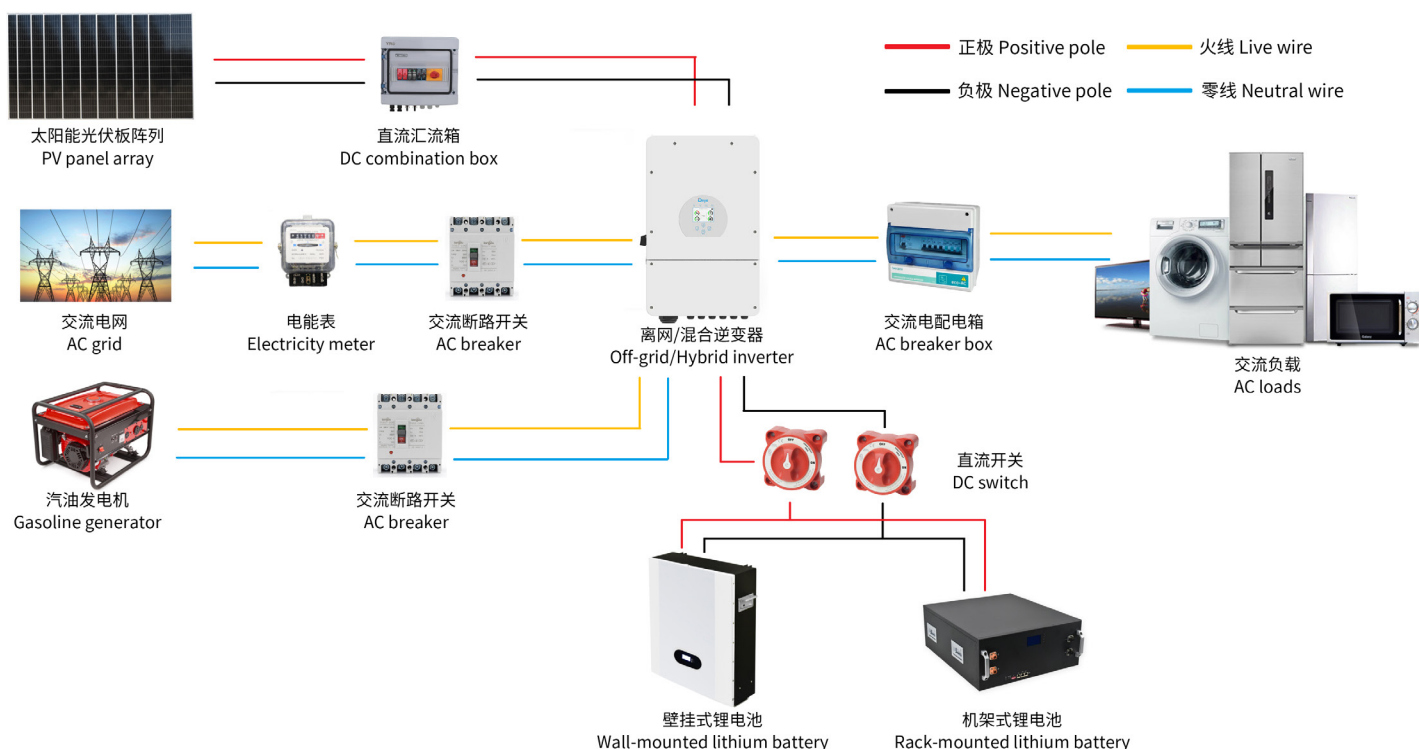


The function of home energy storage lithium batteries is mainly to store the electric energy generated from the AC grid, photovoltaic panels and generators in the battery, and then convert the direct current into alternating current through the inverter to supply power for household appliances or other alternating current loads when electricity is needed. Compared with traditional lead-acid batteries, household energy storage lithium batteries have the advantages of light weight, high energy density, long service time, communication with inverters, and no maintenance.

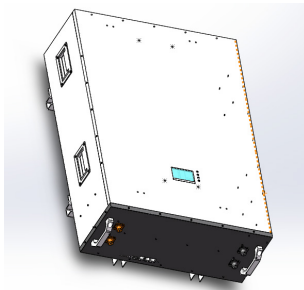
家庭储能锂电池的作用主要是将来自电网、光伏板、发电机产生的电能储存在电池中，然后在需要用电时，通过逆变器将直流电转换成交流电为家庭电器或其他交流负载供电。相对于传统铅酸电池，家庭储能锂电池具有重量轻，能量密度大，服务时间长，可与逆变器进行通讯，无需维护等优势。

The Solar Inverter System Composition

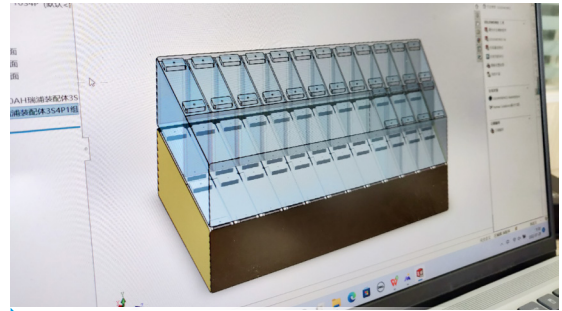
太阳能发电系统组成



Independent Develop Ability 独立研发能力



Battery casing customization
电池外观订做



Battery components decompose
电池部件分解制图



Battery pack assembly
电池生产组装



Battery test
电池测试

The battery case appearance customization, **high voltage** and function customization service can be provided according to customer requirements.
公司可根据客户要求提供电池机箱外观定制、功能定制及**高压**电池定制服务



Inverters compatibility 兼容市场主流逆变器

Our home energy storage lithium batteries series has passed the communication compatibility test with the following inverter brands to ensure that customers have no worries.

公司的家储电池系列已经过与下列逆变器品牌的通讯兼容性测试，确保客户无后顾之忧。



Project demonstration 安装案例



Solar Street Light Battery 太阳能路灯电池

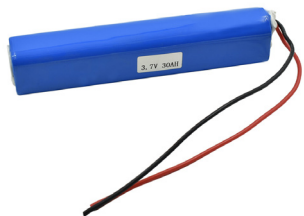


Features 产品特点

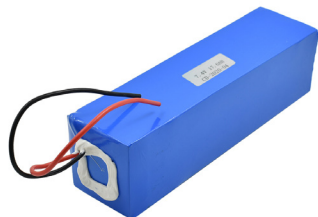
- Suitable for -20°C ~ +60°C environment
适用于 -20°C ~ +60°C 的环境
- Precisely controller solar charge rate
精准控制太阳能充电功率
- overcharge/discharge & short circuit protect
过充、过放、短路保护
- Battery working mode & connectors are customizable
定制电池工作模式负载和光伏接口

The Division specializes in undertaking municipal, garden, engineering solar street light project,welcome to consult

本公司专业承接市政、园林、工程太阳能路灯项目，欢迎咨询



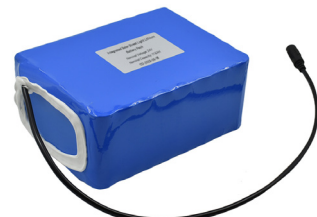
3.7V Integrated Solar Street Light Battery
3.7V 一体化路灯电池



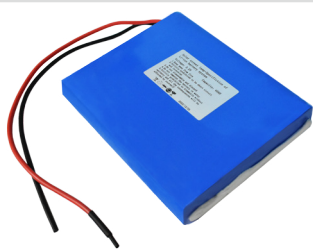
7.4V Integrated Solar Street Light Battery
7.4V 一体化路灯电池



11.1V Integrated Solar Street Light Battery
11.1V 一体化路灯电池



24V Integrated Solar Street Light Battery
24V 一体化路灯电池



3.2V Integrated Solar Street Light Battery
3.2V 一体化路灯电池



6.4V Integrated Solar Street Light Battery
6.4V 一体化路灯电池



12.8V Integrated Solar Street Light Battery
12.8V 一体化路灯电池



25.6V Integrated Solar Street Light Battery
25.6V 一体化路灯电池



YY2 series 远扬 2 系列



B3 series B3 系列



B4 series B4 系列



Chute series 滑槽款



Customized series(12.8V200AH)
定制款 12.8V200AH



JS40 series JS40 系列

Technical Specification 技术参数表

电池组 Battery pack	规格参数 Battery Spec	12V30AH	12V40AH	12V60AH	12V80AH	24V15AH	24V20AH	24V30AH	24V40AH
	电芯类型 Battery type	18650 三元锂电芯 18650 NCM cells							
	电芯容量 Cell capacity	2200~2600mAh							
	额定电压 Nominal voltage	11.1V				22.2V			
	额定容量 Nominal capacity	30AH	40AH	60AH	80AH	15AH	20AH	30AH	40AH
	电芯布局 Cell layout	3S14P	3S18P	3S27P	3S36P	6S7P	6S9P	6S14P	6S18P
	循环次数 Cyle life	800~1000 次 @0.5C@90%DOD 800~1000 cycles@0.5C@90%DOD							
	工作电压 Working voltage	8.4~12.6V				16.8~25.2V			
	工作温度 Working temp	-20℃ ~ +60℃							
光伏参数 PV spec	光伏输入电压 PV input voltage	18V				36V			
	建议光伏板功率 Advised PV power	40W	60W	80W	120W	40W	60W	80W	120W
	太阳能控制器 Solar controller	PWM/MPPT 控制器, 升压 / 平压工作模式 PWM/MPPT solar charger,boost voltage/flat voltage working mode							
负载参数 Load spec	负载电压 load voltage	12V				24V			
	建议负载功率 Advised load powe	30W	40W	60W	80W	30W	40W	60W	80W
	建议灯杆高度 Advised pole height	6M	8M	10M	10M	6M	8M	10M	10M
	工作模式 Working mode	每晚工作 8 小时 (3 小时 *80% 负载功率 +3 小时 *40%+2 小时 *20%), 工作模式可订制 Working 8hrs per night(3 hrs*80%+3 hrs*40%+2 hrs*20%),customizable							
	阴雨天数 Rainy days	2 天 (根据容量和工作模式而定) 2 days(Depends on capacity and working mode)							
其他 Other info	防水级别 IP level	IP65							
	外壳材质 Casing material	电池包 / 胶壳 / 铝壳, 视乎电池容量和需求而定 Shrink pack/ABS casing/Aluminum casing,depends on capacity and requirements							
	输入 / 输出端口 Input/output ports	光伏线: 2 芯, 2*1.5 平方 / 光源线: 4 芯, 4*0.75 平方 PV port:2 pins,2*1.5sq mm/Lamp port:2pins,4*0.75 sq mm							
	净重 (胶壳) Net weight(ABS)	3KG	4KG	5.5KG	7.5KG	3KG	3.8KG	6KG	7.5KG

Technical Specification 技术参数表

电池组 Battery pack	规格参数 Battery Spec	12V30AH	12V36AH	12V54AH	12V72AH	24V12AH	24V18AH	24V30AH	24V36AH
	电芯类型 Battery type	32700 磷酸铁锂电芯 32700 LiFePO4 cells							
	电芯容量 Cell capacity	5500~6000mAh							
	额定电压 Nominal voltage	12.8V				25.6V			
	额定容量 Nominal capacity	30AH	36AH	54AH	72AH	12AH	18AH	30AH	36AH
	电芯布局 Cell layout	4S5P	4S6P	4S9P	4S12P	8S2P	8S3P	8S5P	8S6P
	循环次数 Cyle life	2000 次 @0.5C@90%DOD 2000 cycles@0.5C@90%DOD							
	工作电压 Working voltage	10~14.6V				20~29.2V			
	工作温度 Working temp	20°C ~ +60°C							
光伏参数 PVspec	光伏输入电压 PV input voltage	18V				36V			
	建议光伏板功率 Advised PV power	40W	60W	70W	100W	40W	50W	70W	100W
	太阳能控制器 Solar controller	PWM/MPPT 控制器，升压 / 平压工作模式 PWM/MPPT solar charger,boost voltage/flat voltage working mode							
负载参数 Load spec	负载电压 Load voltage	12V				24V			
	建议负载功率 Advised load power	30W	40W	60W	80W	30W	40W	60W	80W
	建议灯杆高度 Advised pole height	6M	8M	10M	10M	6M	8M	10M	10M
	工作模式 Working mode	每晚工作 8 小时 (3 小时 *80% 负载功率 + 3 小时 *40%+2 小时 *20%), 工作模式可订制 Working 8hrs per night(3 hrs*80%+3 hrs*40%+2 hrs*20%),customizable							
	阴雨天数 Rainy day:	2 天 (根据容量和工作模式而定) 2 days(Depends on capacity and working mode)							
其他 Other info	防水级别 IP level	IP65							
	外壳材质 Casing material	电池包 / 胶壳 / 铝壳，视乎电池容量和需求而定 Shrink pack/ABS casing/Aluminum casing,depends on capacity and requirements							
	输入 / 输出端口 Input/output ports	光伏线: 2 芯, 2*1.5 平方 / 光源线: 4 芯, 4*0.75 平方 PV port:2 pins,2*1.5sq mm/Lamp port:2pins,4*0.75 sq mm							
	净重 (胶壳 Net weight(ABS)	3.8KG	4.7KG	6.3KG	8.7KG	3.5KG	4.7KG	7KG	8.7KG

Portable Power Station 便携电源

300W/500W/1000W/2000W



Features 产品特点

- Full capacity, No false label, Long-lasting discharge
容量足、无假标、放电持久
- Battery cell cycle life $\geq 4000/6000$ times (80% DOD)
电芯循环寿命 $\geq 4000/6000$ 次 (80%DOD)
- Multiple output interfaces: AC/DC/USB/Wireless Charging Output etc.
多种输出接口: AC/DC/USB/ 无线充电输出等。
- Supports AC/DC/Photovoltaic Charging
支持市电 /DC/ 光伏充电
- Free maintenance
无需维护

Technical Specification 技术参数表

型号 Model	CD-PPS300	CD-PPS500	CD-PPS1000	CD-PPS2000
AC 输出 AC Outlets	US/JP EU UK AU SA CN etc.			
电池类型 Battery Type	Grade A+ LiFePO4			
容量 Capacity	192 Wh/(12.8v15ah)	384 Wh/(12.8v30ah)	1280 Wh/(12.8v100ah)	2304 Wh/(51.2v45ah)
循环次数 Life Cycles	4000+	4000+	6000+	4000+
输出功率 Output Power	300 W	500 W	1000 W	2000 W
总输出端口数 Total Outlets	8	11	13	9
AC 输出端口数 AC Outlets	2	3	4	2
110V/220V (JP/US/CN/EU/UK/AU)				
DC 输出端口数 DC Outlets	2	2	3	3
USB 输出端口数 USB Outlets	4	6	6	4
LED 灯 Led Light Modes	3	2	2	3
光伏充电功能 Photovoltaic Charging	√	√	√	√
AC 直充功能 AC Direct Charging	×	×	×	√
点烟器 Fast ChargeOutput	×	√	√	√
无线充电功能 Wireless Charging Output	×	√	√	√
蓝牙音箱功能 Bluetooth Speaker	√	×	×	×
保护功能 Protect Function	短路、过载、过热、过压、过流、短路 Short Circuit, Over-load, Over-heat, Over-voltage, Over-current, Shor-voltage			
重量 Weight	3.09 KG (6.81 lbs)	5.61 kg (12.37 lbs)	12.01kg (26.48 lbs)	23.42 kg (51.63 lbs)
产品尺寸 Dimensions(L * W * H)	278*129*215 mm	300*210*260 mm	405*262*270 mm	460*250*340 mm
保修 Warranty	电池 Battery: 2 Years 其他配件 Others Accessories: 1 Years			

300W PORTABLE POWER STATION

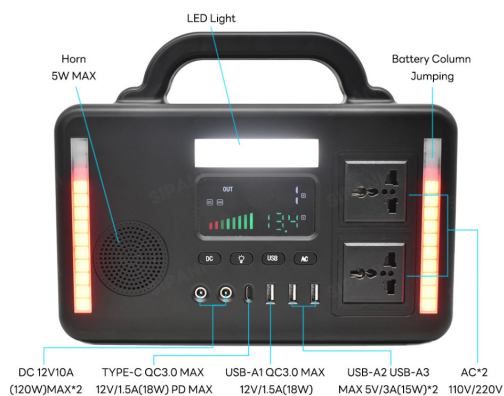
Input	1. DC5521：14.6V/5A、70W Charger Input	
	2. DC5521：Supports Photovoltaic Solar 15V-24V 5A Input, 18V 100W	
	3. The two DC5521 Ports can only charge or discharge at the same time, not one charge and other discharge at the same time.	
"AC Output 110V/220V"	AC Output Voltage: AC Output Ports*2, AC 220V±5%	
	AC Output Watt: 300W	
	Over-load Protection：310W ~ 450W	
	AC Output wave: Pure sine wave	
	AC Output Peak: 600W peak hold time<50ms	
	Frequency: 50Hz	
Type-C1 Output	TYPE-C: QC3.0 MAX 12V/1.5A (18W) PD MAX	
USB Output	USB-A1: QC3.0 MAX 12V/1.5A(18W)	
	USB-A2:	MAX 5V/3A(15W)
	USB-A3:	
DC Output	DC-1/DC-2 12V10A(120W) MAX	
Led Light Output	Support Strong/Weak/SOS Flashing three modes switching output	



Horn	Maximum output power: 5W
Bluetooth Version	5.4
Battery Type	Grade A LiFePO4 Lithium Iron Battery
Battery Capacity	192wh
Battery Cycle	Over 4000 Cycles
Product Dimensions	278*129*215mm
Weight	3.09KG
Protect Function	Short Circuit, Over-load, Over-heat, Over-voltage, Over-current, Shor-voltage
Charging time	2-3H from 10% to 100%(auto cut-off)
Charging voltage	14.6V±0.1V the voltage until full-charge

◇ OPERATION INSTRUCTIONS

- ◇ **POWER ON:** Press and hold the DC key for 1 second to turn on the entire system and the LED display screen will light up when the system is turned on.
- ◇ **BLUETOOTH SPEAKER:** Turn on the USB key, Open Bluetooth on your phone, find the Bluetooth device named ""CHUYI", and click to connect. and to play music!"



500W PORTABLE POWER STATION

Input	1. DC: 6A	
	2. XT60: 8A MAX 10A supports photo voltaic MPPT tracking (Single machine) with PV input 18V 100W. DC5521 is no shared with XT60"	
"AC Output 110V/220V"	AC Output Voltage: AC Output Ports*3, AC 220V±5%	
	AC Output Watt: 500W	
	AC Output wave: Pure sine wave	
	Frequency: 50Hz	
Wireless Charging Output	15W	
Type-C Output	TYPE-C:	PD MAX 18W
USB Output	Fast Charge:	MAX 18W (Blue)
	USB-A1:	5V2A
	USB-A2:	
	USB-A3:	
	USB-A4:	
DC Output	Cigar Lighter:	8A
	DC:	6A
Led Light Output	3W, Support Strong/SOS Flashing two modes switching output	
Battery Type	Grade A LiFePO4 Lithium Iron Battery	
Battery Capacity	348wh	
Battery Cycle	Over 4000 Cycles	
Product Dimensions	300*210*260mm	
Weight	5.61KG	
Protect Function	Short Circuit, Over-load, Over-heat, Over-voltage, Over-current, Shor-voltage	



- ◇ **MCU software alarm prompt, over-pressure and low-pressure alarm/shutdown, intelligent temperature control**



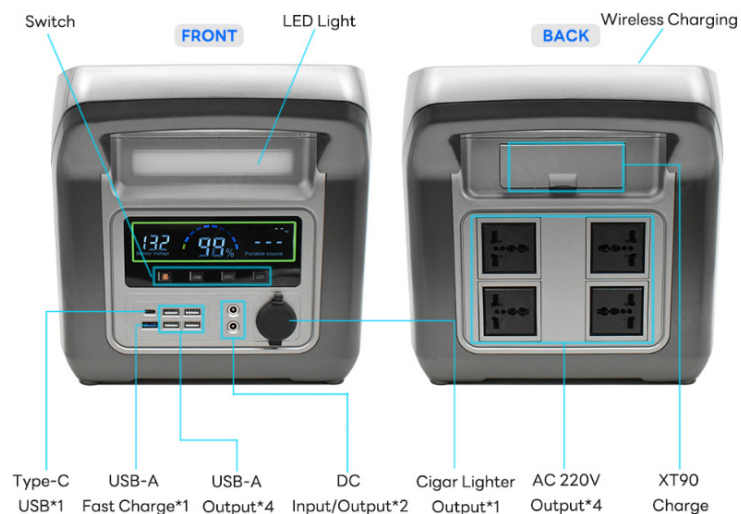
1000W PORTABLE POWER STATION

Input	1. DC: 6A	
	2. XT90: 14.6V MAX 30A supports photovoltaic MPPT tracking (Single machine) with PV input 18V 100W. DC5521 is no shared with XT90	
"AC Output 110V/220V"	AC Output Voltage: AC Output Ports*4, AC 220V±5%	
	AC Output Watt: 1000W	
	AC Output wave: Pure sine wave	
	Frequency: 50Hz	
Wireless Charging Output	15W	
Type-C Output	TYPE-C:	PD MAX 18W



USB Output	Fast Charge:	MAX 18W
	USB-A1:	5V2A
	USB-A2:	
	USB-A3:	
	USB-A4:	
DC Output	Cigar Lighter:	8A
	DC-1:	6A
	DC-2:	
Led Light Output	3W, Support Strong/SOS Flashing two modes switching output	
Battery Type	Grade A LiFePO4 Lithium Iron Battery	
Battery Capacity	1280wh	
Battery Cycle	Over 6000 Cycles	
Product Dimensions	405*262*270mm	
Weight	12.01KG	
Protect Function	Short Circuit, Over-load, Over-heat, Over-voltage, Over-current, Shor-voltage	

- ◇ MCU software alarm prompt, over-pressure and low-pressure alarm/shutdown, intelligent temperature control



2000W PORTABLE POWER STATION

Input	"1. DC5521: 10V~45V/10A supports photovoltaic MPPT tracking, with PV input 18V 300W DC5521 is shared with XT60, and cannot be inserted at the same time"	
	"2. XT60: 10V ~ 45V MAX 400W supports photovoltaic MPPT tracking, DC5521 is shared with XT60, and cannot be inserted at the same time, 50-400W"	
	3. AC Input Ports: 180V ~ 250V, rated power 1000W	
"AC Output 110V/220V"	AC Output Voltage: AC Output Ports*2, AC 220V±5%	
	AC Output Watt: 2000W	
	AC Output wave: Pure sine wave	
	Frequency: 50Hz	
Wireless Charging Output	15W	
Type-C Output	TYPE-C1:	"PD MAX 12V/1.5A (18W) PD MAX 12V/2.5A (30W)"
	TYPE-C2:	PD MAX 20V/5A(100W). When TYPE-C2 and USB-A1 are plugged in at the same time, the total output is 5V/5A



USB Output	USB-A1:	QC3.0 MAX 20V/3A (60W). When TYPE-C2 and USB-A1 are plugged in at the same time, the total output is 5V/5A
	USB-A2:	QC3.0 MAX 12V/1.5A (18W)
DC Output	Cigarette Lighter:	12V/10A 120W Total Power
	DC-1:	
	DC-2:	
Led Light Output	Power: 4W, Support Strong/Weak/SOS Flashing three modes switching output	
Battery Type	Grade A LiFePO4 Lithium Iron Battery	
Battery Capacity	2304wh	
Battery Cycle	Over 4000 Cycles	
Product Dimensions	460*250*340mm	
Weight	23.42KG	
Protect Function	Short Circuit, Over-load, Over-heat, Over-voltage, Over-current, Shor-voltage	

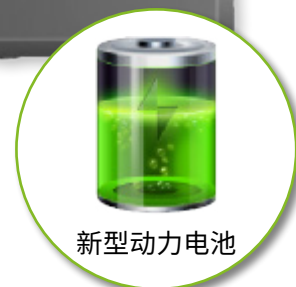
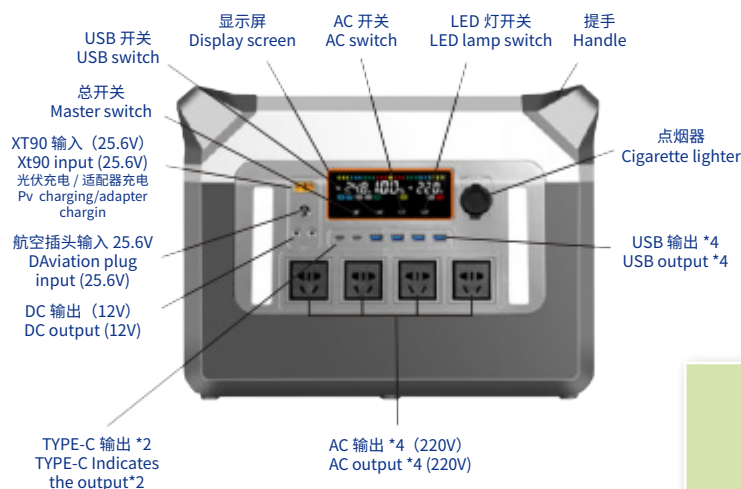
◇ OPERATION INSTRUCTIONS

* **Touchable Screen, Detailed parameter display.**

* **Power On: Touch the screen, press and hold the power button for 1 second, the system will turn on, and the screen saver will stay on.**

3000W PORTABLE POWER STATION

电池容量 Battery capacity	25.6V 100Ah (动力电池) 100Ah (Power battery)
输出波形 Output waveform	纯正弦波 Pure sine wave
设备尺寸 Equipment size	294.6*202*246mm
交流输出 *4 Ac output*4	AC 220V 3000W
USB(*4 路输出) USB(* 4-way output)	DC 5V 2A
USB-C 快充 (*2 路输出) USB-C Fast charge (*2 output)	DC 5V 2A
车充输出 Car charging output	DC 12V 8A
DC5521 输出 (*2 路输出) Dc5521 Output (* 2-way output)	DC 12V 8A
交流输出 Ac output	AC220V*4
直流输入 Solar panel input voltage	DC58.4V 8A 450W
交流输入 Ac input	220V 2A 230W
太阳能板充电 Solar panel input voltage	36V/400W
循环寿命 Cycle life	≥ 3000 次



保护类型 Protection type	高温保护、低温保护、过放保护 过充保护、短路保护、过流保护 Overcharge protection, short circuit protection, overcurrent protection
LED 灯 LED lamp	3 挡亮度、警报灯 3 stop brightness, alarm light
电量标示 Battery mark	显示屏剩余电量百分比 Percentage of the remaining battery power of the display
产品尺寸 (长 * 宽 * 高) Product size (length * width * height)	480mm*270mm*350mm
产品净重量 Net weight of product	25.2KG
配件 Accessories	适配器 + 说明书 Adapter + instruction

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用能源为未来赋能！



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