



LITHIUM BATTERY ENERGY STORAGE

Product Catalog-产品目录册



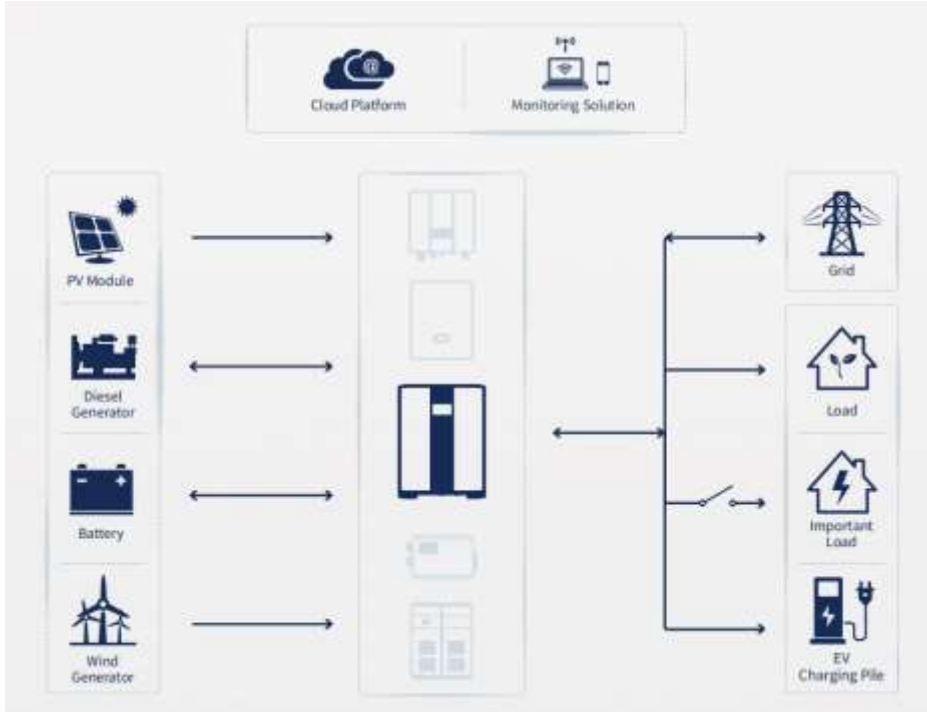
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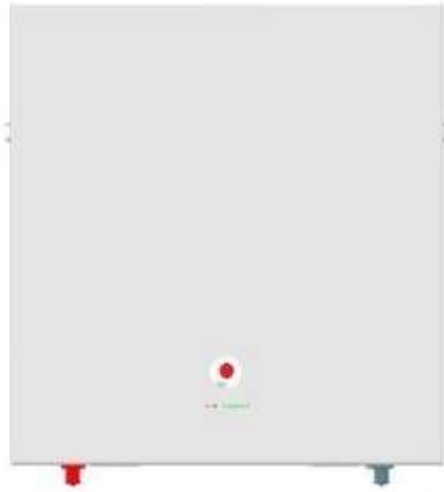


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1. Power wall mounted battery 壁挂式锂电池



Model	48100-15S -PW1	48150-15S -PW1	48200-15S -PW1	48100-16S -PW1	48150-16S -PW1	48200-16S- PW1
Nominal Voltage 标称电压	48V			51.2V		
Rated Capacity 额定容量	100AH	150AH	200AH	100AH	150AH	200AH
Rated Reserved Energy 额定功率	4800W	7200W	9600W	5120W	7680W	10240W
Total Charging Cut-off Voltage 充电截止电压	53.3V			56.8V		
Max Continuous Charging Current 最大持续充电电流	50A	75A	100A	50A	75A	100A
Cut-off Voltage Of Discharging 放电截止电压	42V			44.8V		
Maximum Continuous Discharging Current 最大持续放电电流	100A					
Operating Temperature Range 使用温度范围	Charging :0~45°C Discharging :-10~50°C					
Dimension (W×L×H) 尺寸	485*650*180mm					
Weight 重量	≈56KG	≈72KG	≈95KG	≈58KG	≈75KG	≈100KG
Ingress Rating 防护等级	IP21					
Connectivity 通讯功能	RS232/RS485/CANBUS					



Model	24100-8S -PW2	24200-8S -PW2	4850-15S -PW2	48100-15S -PW2	4850-16S -PW2	48100-16S- PW2
Nominal Voltage标称电压	25.6v		48V		51.2V	
Rated Capacity额定容量	100AH	200AH	50AH	100AH	500AH	100AH
Rated Reserved Energy额定功率	2560W	5120W	2400W	4800W	2560W	5120W
Total Charging Cut-off Voltage 充电截止电压	28.4V		53.3V		56.8V	
Max Continuous Charging Current 最大持续充电电流	50A	100A	25A	50A	25A	50A
Cut-off Voltage Of Discharging 放电截止电压	22.4V		42V		44.8V	
Maximum Continuous Discharging Current 最大持续放电电流	100A					
Operating Temperature Range 使用温度范围	Charging :0~45℃ Discharging :-10~50℃					
Dimension (W×L×H)尺寸	485*510*180mm					
Weight重量	≈35KG	≈58KG	≈33KG	≈56KG	≈35KG	≈58KG
Ingress Rating防护等级	IP21					
Connectivity通讯功能	RS232/RS485/CANBUS					



Blue tooth

Model	24100-8S-PW3	24200-8S-PW3	24300-8S-PW3
Nominal Voltage 标称电压	25.6V		
Rated Capacity 额定容量	100AH	200AH	300AH
Rated Reserved Energy 额定功率	2560W	5120W	7680W
Total Charging Cut-off Voltage 充电截止电压	28.4V	53.3V	56.8V
Max Continuous Charging Current 最大持续充电电流	50A	100A	100A
Cut-off Voltage Of Discharging 放电截止电压	22.4V		
Maximum Continuous Discharging Current 最大持续放电电流	100A		
Operating Temperature Range 使用温度范围	Charging :0~45℃		Discharging :-10~50℃
Dimension (W×L×H) 尺寸	485*510*180mm		
Weight 重量	≈35KG	≈58KG	≈75KG
Ingress Rating 防护等级	IP21		
Connectivity 通讯功能	RS232/RS485/CANBUS/Bluetooth		



15KW



20KW-Portable

Model	15KW-14S-PW4	20KW-16S-PW5
Nominal Voltage标称电压	51.8V	51.2v
Rated Capacity额定容量	290AH	400AH
Rated Reserved Energy额定功率	15000W	20480W
Total Charging Cut-off Voltage 充电截止电压	58.1V	56.8V
Max Continuous Charging Current 最大持续充电电流	100A	100A
Cut-off Voltage Of Discharging 放电截止电压	41V	44.8V
Maximum Continuous Discharging Current 最大持续放电电流	100A	200A
Operating Temperature Range 使用温度范围	Charging :0~45°C	Discharging :-10~50°C
Dimension (W×L×H)尺寸	640*810*140mm	730*920*220mm
Weight重量	≈120KG	≈195KG
Ingress Rating防护等级	IP21	
Connectivity通讯功能	RS232/RS485/CANBUS	



Model	48100-15S-PW6	48150-15S-PW6	48200-15S-PW6	48100-16S-PW6	48150-16S-PW6	48200-16S-PW6
Nominal Voltage标称电压	48V			51.2V		
Rated Capacity额定容量	100AH	150AH	200AH	100AH	150AH	200AH
Rated Reserved Energy额定功率	4800W	7200W	9600W	5120W	7680W	10240W
Total Charging Cut-off Voltage 充电截止电压	53.3V			56.8V		
Max Continuous Charging Current 最大持续充电电流	50A	75A	100A	50A	75A	100A
Cut-off Voltage Of Discharging 放电截止电压	42V			44.8V		
Maximum Continuous Discharging Current 最大持续放电电流	100A					
Operating Temperature Range 使用温度范围	Charging :0~45℃ Discharging :-10~50℃					
Dimension (W×L×H)尺寸	485*650*180mm					
Weight重量	≈56KG	≈72KG	≈95KG	≈58KG	≈75KG	≈100KG
Ingress Rating防护等级	IP21					
Connectivity通讯功能	RS232/RS485/CANBUS					



Model	40020-125S-PW7	40032-125S-PW7
Nominal Voltage 标称电压	400V	
Rated Capacity 额定容量	20AH	32AH
Rated Reserved Energy 额定功率	8000W	12800W
Total Charging Cut-off Voltage 充电截止电压	443.5V	
Max Continuous Charging Current 最大持续充电电流	10A	15A
Cut-off Voltage Of Discharging 放电截止电压	350V	
Maximum Continuous Discharging Current 最大持续放电电流	15A	
Operating Temperature Range 使用温度范围	Charging :0~45°C Discharging :-10~50°C	
Dimension (W×L×H) 尺寸	485*510*180mm	
Weight 重量	≈90KG	≈120KG
Ingress Rating 防护等级	IP21	
Connectivity 通讯功能	RS232/RS485/CANBUS	

2.19inchs case battery机箱式锂电池



4850-15S/16S-CB1



4850-15S-CB2



4850-15S-CB3

Model	4850-15S-CB3	4850-15S-CB1	4850-15S-CB2	4850-16S-CB1
Nominal Voltage标称电压	48V			51.2V
Rated Capacity额定容量	50AH			
Rated Reserved Energy额定功率	2400W			2560W
Total Charging Cut-off Voltage 充电截止电压	53.3V			56.8V
Max Continuous Charging Current 最大持续充电电流	25A			
Cut-off Voltage Of Discharging 放电截止电压	42V			44.8V
Maximum Continuous Discharging Current 最大持续放电电流	100A	50A		
Operating Temperature Range 使用温度范围	Charging :0~45°C		Discharging :-10~50°C	
Dimension (W×L×H)尺寸	442*88*430mm		442*133*430mm	
Weight重量	≈33KG			≈35KG
Ingress Rating防护等级	IP21			
Connectivity通讯功能	RS232/RS485		RS232/RS485/CANBUS	



48100-15S/16S-3U



48100-15S/16S-4U/5U



48100-15S-5U-A

Model	48100-15S-3U	48100-15S-4U	48100-15S-5U	48100-15S-5U-A	48100-16S-3U	48100-16S-4U	48100-16S-5U
Nominal Voltage标称电压	48V				51.2V		
Rated Capacity额定容量	100AH						
Rated Reserved Energy额定功率	4800W				5120W		
Total Charging Cut-off Voltage 充电截止电压	53.3V				56.8V		
Max Continuous Charging Current 最大持续充电电流	50A						
Cut-off Voltage Of Discharging 放电截止电压	42V				44.8V		
Maximum Continuous Discharging Current 最大持续放电电流	100A						
Operating Temperature Range 使用温度范围	Charging :0~45℃ Discharging :-10~50℃						
Dimension (W×L×H)尺寸	442*133*450mm (3U)	442*177*450mm (4U)	442*222*450mm (5U)		442*133*450mm	442*177*450mm	442*222*450mm
Weight重量	≈52KG				≈55KG		
Ingress Rating防护等级	IP21						
Connectivity通讯功能	RS232/RS485/CANBUS			RS232/RS485	RS232/RS485/CANBUS		



48150-15S/16S-4U/5U

Model	48150-15S-4U	48150-15S-5U	48150-16S-4U	48150-16S-5U
Nominal Voltage 标称电压	48V		51.2V	
Rated Capacity 额定容量	150AH			
Rated Reserved Energy 额定功率	7200W		7680W	
Total Charging Cut-off Voltage 充电截止电压	53.3V		56.8V	
Max Continuous Charging Current 最大持续充电电流	75A			
Cut-off Voltage Of Discharging 放电截止电压	42V		44.8V	
Maximum Continuous Discharging Current 最大持续放电电流	100A			
Operating Temperature Range 使用温度范围	Charging :0~45°C		Discharging :-10~50°C	
Dimension (W×L×H) 尺寸	442*177*480mm	442*222*480mm	442*177*575mm	442*222*575mm
Weight 重量	≈72KG		≈75KG	
Ingress Rating 防护等级	IP21			
Connectivity 通讯功能	RS232/RS485/CANBUS			



48200-15S/16S-4U/5U

Model	48200-15S-4U	48200-15S-5U	48200-16S-4U	48200-16S-5U
Nominal Voltage标称电压	48V		51.2V	
Rated Capacity额定容量	200AH			
Rated Reserved Energy额定功率	9600W		10240W	
Total Charging Cut-off Voltage 充电截止电压	53.3V		56.8V	
Max Continuous Charging Current 最大持续充电电流	100A			
Cut-off Voltage Of Discharging 放电截止电压	42V		44.8V	
Maximum Continuous Discharging Current 最大持续放电电流	100A			
Operating Temperature Range 使用温度范围	Charging :0~45°C		Discharging :-10~50°C	
Dimension (W×L×H)尺寸	442*177*680mm	442*222*680mm	442*177*680mm	442*222*680mm
Weight重量	≈95KG		≈98KG	
Ingress Rating防护等级	IP21			
Connectivity通讯功能	RS232/RS485/CANBUS			

3.Low voltage battery in cabinet 低压机柜式锂电池



48V-300AH/450AH
0.6*0.6*1.2M(27U)

48V-400AH/600AH
0.6*0.6*1.2M(27U)

48V-500AH/750AH
0.6*0.6*1.6M(36U)

48V-600AH
0.6*0.6*1.6M(36U)

48V-600AH
0.6*0.8*1.2M(27U)

48V-800AH
0.6*0.8*1.2M(27U)

48V-1000AH
0.6*0.8*1.6M(36U)



4.High voltage battery in cabinet 高压机柜式锂电池



110V-50AH



240V/256V-50AH/55AH
0.6*0.6*1.2M(27U)



220V-100AH/110AH
0.6*0.6*1.6M(36U)



384V-50AH/55AH
0.6*0.6*1.6M(36U)



48V-5500AH
0.8*0.8*2.2M(42U)单柜



360V-300AH
0.6*0.6*1.6M(36U)单柜



384V-300AH
1.2*1.0*2.0M

5.All in one system 一体机



3KW+7.5KWH

3KW/5KW/10KW Solar energy storage system			
Battery Pack			
Nominal voltage	51.2V		
Rated capacity	100Ah	200Ah	
Rated reserved energy	5120Wh	10240Wh	
Standard charging current	0.2C		
Total charging cut-off voltage	58.4V		
Cut-off voltage of charging monomer	3.65V		
Standard discharging current	0.2C		
Maximum continuous discharging current	100A		
Cut-off voltage of discharging monomer	2.7V		
Charging temperature range	-5℃~55℃		
Discharging temperature range	-20℃~65℃		
INVERTER			
MODEL	3KW	5.5KW	
Phase	1-phase in / 1-phase out		
Maximum PV Input Power	4500 W	6500 W	
Rated Output Power	3000 W	5500 W	
Maximum Charging Power	2880 W	2880 W	



10KW+20KWH

3KW/5KW/10KW Solar energy storage system			
Battery Pack			
Nominal voltage	51.2V		
Rated capacity	100Ah	200Ah	400Ah
Rated reserved energy	5120Wh	10240Wh	20480Wh
Standard charging current	0.2C		
Total charging cut-off voltage	58.4V		
Cut-off voltage of charging monomer	3.65V		
Standard discharging current	0.2C		
Maximum continuous discharging current	100A		
Cut-off voltage of discharging monomer	2.7V		
Charging temperature range	-5℃~55℃		
Discharging temperature range	-20℃~65℃		
INVERTER			
MODEL	3KW	5.5KW	3P 10KW
Phase	1-phase in / 1-phase out		3-phase in/3-phase out
Maximum PV Input Power	4500 W	6500 W	14850 W
Rated Output Power	3000 W	5500 W	10000 W
Maximum Charging Power	2880 W	2880 W	9600 W

6. Lead-icd replacement battery 替代铅酸式电池

12V50AH	12V100AH	12V150AH	12V200AH	24V50AH	24V100AH
260*168*211mm	260*168*211mm	329*172*219mm	522*240*218	329*172*219mm	522*240*218
					
About 5kg	About 11kg	About 15.5kg	About 20kg	About 11kg	About 20kg
Support maximum between modules 支持最大模组间4S4P					
4S	4S	4S	4S	8S	8S
Bluetooth point-to-point communication can be supported (optional) 可支持蓝牙点对点通讯 (选配)	Bluetooth point-to-point communication can be supported (optional) 可支持蓝牙点对点通讯 (选配)	Bluetooth point-to-point communication can be supported (optional) 可支持蓝牙点对点通讯 (选配)	Bluetooth point-to-point communication can be supported (optional) 可支持蓝牙点对点通讯 (选配)	Bluetooth point-to-point communication can be supported (optional) 可支持蓝牙点对点通讯 (选配)	Bluetooth point-to-point communication can be supported (optional) 可支持蓝牙点对点通讯 (选配)



7.Special application battery特殊应用锂电池



48V50AH-
Storage and
sorting
仓储分拣AGV



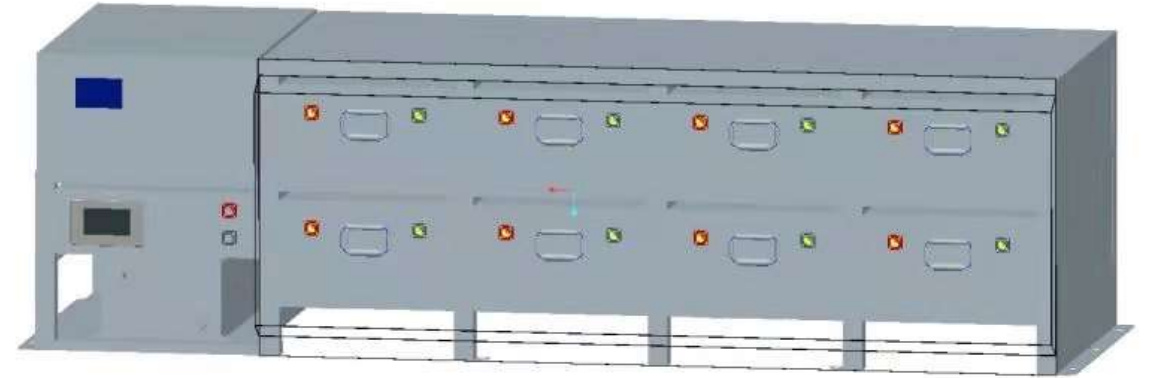
48V100AH-
Golf cart
高尔夫球车



72V100AH-
AGV



384V165AH/240AH-
Bus and vehicle energy storage
standby power
客车车载储能备电



384V165AH/240AH-
Storage and power supply of
truck
货车车载储能备电



- Factory area: 10,000 square meters/工厂面积：1万平米
- Production capacity: 10,000 units/month/生产产能：1万台每月
- Flat-head sorters: 2 units/自动分选机：2台
- Lazer welder: 4 units/激光焊接机：4台
- Automatic spot welder: 4 units/自动点焊机：4台
- Aging cabinet: 200 channel/老化柜：200个通道
- Finished product testing equipment: 2 units/成品测试仪：2台



Automation equipment



Automatic veneer pad equipment:

Mainly used for the 26650 cylindrical battery Positive extreme paste, This equipment adopts stamping forming pasting method, PLC programming, human-machine interface liquid crystal display, intelligent degree is high, with accurate alignment, pasting standard beautiful, not easy to card, punching cutter durable, easy to operate, high efficiency, good consistency, cost saving and other characteristics

Automatic assembly machine

Developed for 26650 cell consistency requirements in battery modules, the equipment has automatic voltage matching, internal resistance function, high detection accuracy to ensure high cycle life of the battery pack. It is 6-8 times more efficient than manual matching teaming, which is critical to productivity and product stability.

Automatic equipment



Automatic spot welding equipment

This equipment adopts PLC programming, man-machine interface liquid crystal display, intelligent degree is high, mainly used for industrial supporting battery, electric friction and automobile power battery, energy storage battery, such as modular lithium battery battery spot welding use, can be used with lithium battery production line. The X axis and Y axis of the equipment are controlled by servo motor separately. Each welding spot corresponds to independent X, Y and axis coordinates. The average welding time of each spot is 0.5 seconds, and the welding speed is significantly improved. Compared with manual spot welding, it has the advantages of simple operation, stable and accurate welding, high efficiency, good consistency and cost saving.

Automatic equipment



Finished lithium battery test system

Applicable to all kinds of power battery packs, industrial equipment lithium battery packs, energy storage power battery packs electrical test and protection function test integrated test system. (I2C, HDQ, SMBUS and other customized protocols are supported)



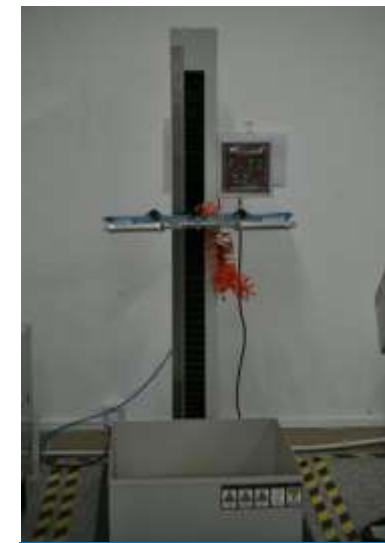
Salt Spray Testing Machine



Impact testing machine



Short-circuit testing machine



Drop testing machine



Finished product aging equipment



Core (of a battery) capacity grading equipment



Finished battery tester