

# GENIXGREEN<sup>®</sup>

科技为生活添彩 Technology Luster Life

**Solar Energy Storage and Conversion**  
**Energy Storage Intelligent Management System Provider**



**3-5 YEARS  
WARRANTY**

**GENIXGREEN<sup>®</sup>**  
科技为生活添彩 Technology Luster Life

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# GENIXGREEN

科技为生活添彩 Technology Luster Life

Company Vision: Become an innovative new green energy industry leader

Company Mission: New Energy Storage, Conversion, and Energy System Intelligent Management System Integration Supplier

Core Values: Passion, Development, Fair

Business philosophy: Technology enriches life

Quality Policy: Rooted design, all staff participation, omnidirectional meet customer's quality requirements

Shenzhen Genixgreen Technology Co., Ltd. (abbreviations: GJS) was established in 2011. It is a high-tech enterprise that researches, designs, manufactures and sells new energy energy storage, transformation and energy system management. It is a leading professional integrated supplier of green and new energy systems in China.

Genixgreen reached a strategic partnership with the upstream lithium battery industry. In the battery system product design, mold design, production process, quality control and BMS battery management system has a wealth of experience. Genixgreen core technology backbone in the lithium electronic materials, battery technology, battery management systems and energy control technology in the field of more than 10 years of research and development of the actual factory experience.

At present, the company has developed proprietary technologies and patented technologies in lithium battery modules, energy storage systems, and energy storage/transformation management systems through independent research and development. There are 15 patented technologies and 35 domestic and internationally recognized product certificates. Technology is at the leading level in the domestic industry. The company has passed ISO9001:2015 quality management system and ISO14001 environmental management system certification. The products have passed IEC, UN38.3, UL, CE, SAA, PSE, KC, and BS certifications. And has in-depth cooperation with world-renowned well-known companies such as Chinese Academy of Sciences, Ford Motor and UAG.

Genixgreen products are mainly used in new energy applications such as solar energy storage, home energy storage, distributed power station energy storage, communication base stations and backup power supplies. At the same time products are also widely used in electric bicycles, electric motorcycles, electric low-speed vehicles, micro UPS power supply and other fields. Companies adhering to the "new energy to drive the green world" business philosophy, and "the most beautiful value, quality first" code of conduct. People-oriented, science and technology as the guide, committed to become an innovative new green energy company.



## Qualification certification



## Certified product



## Technical certification



## Partner



## CELL Series

Solar energy storage system battery cell

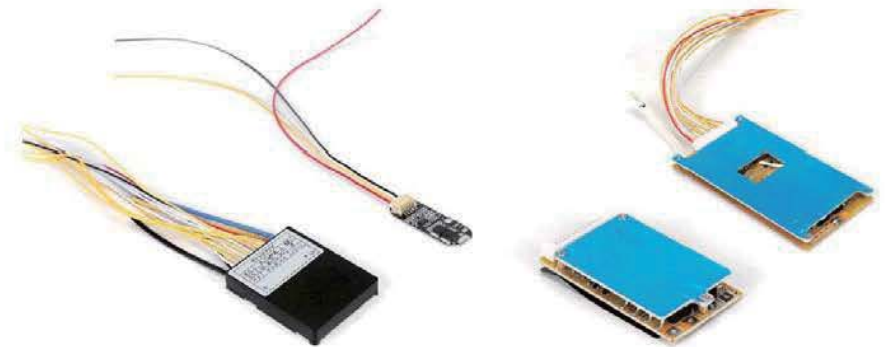


Item	Technical Parameters				
Model	JLS-CELL18-2.2E	JLS-CELL18-2.6E	JLS-CELL18-2.5P	JLS-CELL26-3.5E	JLS-CELL32-5.0E
Nominal Volt	3.7V	3.7V	3.7V	3.2V	3.2V
Rated Capacity	2200mAh	2600mAh	2500mAh	3500mAh	5000mAh
Standard Charging Current	1100mA	1300mA	1300mA	3500mA	5000mA
Maximum Charging Current	2200mA	2600mA	2500mA	7000mA	10000mA
Charge cut-off voltage	4.2V	4.2V	4.2V	3.8V	3.8V
Standard dis-charging Current	1100mA	1300mA	1300mA	3.5A	5.0A
Maximum working Current	4400mA	5200mA	10.0A	7.0A	15.0A
Discharge cut-off voltage	2.75V	2.75V	2.75V	2.0V	2.0V
Resistance	60mΩ	50mΩ	35mΩ	30mΩ	15mΩ

## SEMS Series

Solar energy storage system PCB

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Item	Technical Parameters			
Model	JLS-3S10A	JLS-4S10A	JLS-6S10A	JLS-14S60A
Maximum pressure value	30Vdc	30Vdc	60Vdc	80Vdc
Maximum continuous current	10A	10A	10A	60A
Usage system	Li(NiCoMn)O2	LiFePO4	Li(NiCoMn)O2	Li(NiCoMn)O2
Working temperature	-30~80°C	-30~80°C	-30~80°C	-30~80°C
Overcharge detection voltage	4.25 ±0.05V	3.80 ±0.05V	4.25 ±0.025V	4.25 ±0.05V
Overcharge detection delay	0.5~3s	0.5~3s	≤1s	0.5~3s
Overcharge release voltage	4.05±0.05V	3.60±0.10V	4.05±0.10V	4.05±0.05V
Overdischarge detection voltage	2.5±0.05V	2.00±0.10V	2.5±0.05V	2.5±0.05V
Overdischarge detection delay	10~100ms	10~100ms	20~80ms	10~100ms



## SSLS Series

Solar lighting storage & control integrated lithium-ion battery system



## SSLS Series

Solar lighting storage & control integrated lithium-ion battery system

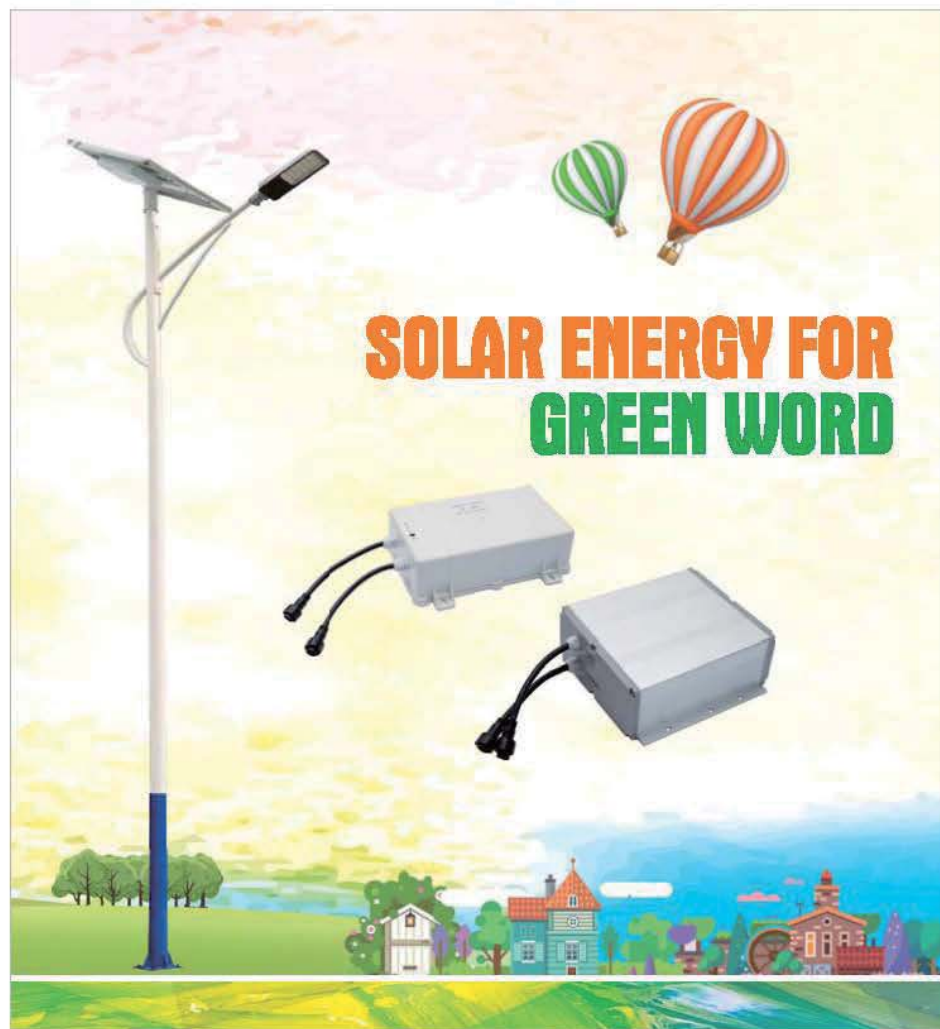
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Item	Technical Parameters		
product parameter	Battery cell model	18650Li-ion battery	2200mAh@23°C
	levels of protection	IP66	
	shell material	Aluminum alloy + Fire-proof end plate	Significant reduction of combustion risk
	fire-proof level	No fire risk	Significant reduction of combustion risk
	internal flame retardant	Glass fiber board flame retardant	Significant reduction of combustion risk
	working temperature	-20~60°C	
	warranty	3years / 5 years	Optional
	lifetime	5-8years	
	battery power Indicator	4 LED light	Each light represents 25% battery power
	status indicator	√	
control parameter	infrared remote control	√	Face signal receiver within 6 meters
	charging mode	PWM/MPPT	
	output mode	Time control+light control+ Energy saving mode	Optional setting
	overcharge voltage	25.2V	
	overcharge return	23.0V	
	overdischarge voltage	18.0V	
	overdischarge return	21.0V	
	overtemperature protection	80°C	
	energy saving control	settable	
	light controlled voltage	10-11V	adjustable
Recommended led configuration	light controlled delay	1-50min	adjustable
	Load voltage (number of lamp beads)	15-60V (5-18S)	
Wire	Connecting PV panel wire	0.8m/white/female head	1.5 Square Waterproof Wire
	Connecting LED light wire	2.5m/black/male head	1.0 Square Waterproof Wire

Item	Technical Parameters					
voltage & capacity	12V 30AH	12V 40AH	12V 50AH	12V 60AH	24V 40AH	24V 50AH
model	JLS-12V30S	JLS-12V40S	JLS-12V50S	JLS-12V60S	JLS-24V40S	JLS-24V50S
weight	3.1±0.2Kg	3.9±0.2Kg	4.7±0.2Kg	5.4±0.2Kg	7.0±0.05Kg	8.5±0.05Kg
size	90*158*210mm	90*158*248mm	90*158*303mm	90*158*338mm	90*158*430mm	90*158*520mm
Recommended PV configuration nominal voltage	18V	18V	18V	18V	36V	36V
Recommended PV configuration Power	≤120W	≤120W	≤120W	≤120W	≤160W	≤180W
Recommended LED configuration load power	≤40W	≤40W	≤40W	≤40W	≤50W	≤60W
Support for rainy days	3-15 days	3-21 days	3-15 days	3-30 days	3-21 days	3-30 days

## SSLS Series

Solar lighting storage & control integrated lithium-ion battery system



## SSLS Series

Solar lighting storage & control integrated lithium-ion battery system



Item	Technical Parameters		
product parameter	system voltage	12V	11.1V
	Battery cell model	18650Li-Ion battery	2000mAh@23°C
	levels of protection	IP67	
	shell material	Engineering plastic alloy	Significant reduction of combustion risk
	fire-protection level	UL 94V-0	Significant reduction of combustion risk
	internal flame retardant	Internal oxygen-free combustion	Significant reduction of combustion risk
	size	75*158*236mm	Include wiring column
	working temperature	-20~60°C	
	warranty	3years / 5 years	Optional
	lifetime	5-8years	
	battery power indicator	4 LED light	Each light represents 25% battery power
	status indicator	√	
	infrared remote control	√	Face signal receiver within 6 meters
nominal voltage	18V		
Recommended PV configuration	Load voltage (number of lamp beads)	15-60V (5-18S)	
Recommended led configuration	Connecting PV panel wire	0.8m/white/female head	1.5 Square Waterproof Wire
	Connecting LED light wire	2.5m/black/male head	1.0 Square Waterproof Wire
Wire	connector	150mm/black/two end female head	Installation of waterproof wire for led*

Item	Technical Parameters			
capacity	30AH	35AH	40AH	45AH
Model	JLS-12V30S	JLS-12V35S	JLS-12V40S	JLS-12V45S
weight	2.65±0.05Kg	2.92±0.05Kg	3.27±0.05Kg	3.54±0.05Kg
Recommended PV configuration Power	≤100W	≤120W	≤120W	≤150W
Recommended LED configuration load power	≤30W	≤30W	≤40W	≤50W
Support for rainy days	3-7 days	3-10 days	3-15 days	3-21 days

## HESS Series

Solar home energy storage lithium battery system



Item	Technical Parameters		
Model	JLS-SH4850	JLS-SH5160	JLS-SH5120
Battery voltage	48.1V	51.8V	51.8V
Energy	2.4kWh	3kWh	6kWh
Battery Power	1500W	2000W	2000W
Inverter	external	built-in	built-in
Photovoltaic panel power	--	< 1000W	< 1000W
Photovoltaic panel voltage	--	< 100V	< 100V
Photovoltaic control system	outlay	built-in	built-in
Battery charging voltage	54.6Vdc	58.8Vdc	58.8Vdc
Battery discharge cutoff voltage	39Vdc	42Vdc	42Vdc
Output	48.1Vdc	51.8Vdc	220Vac/110Vac
Ac / DC switching	--	--	5~8ms
Operating temperature range	-20~60°C	-20~60°C	-20~60°C
Working humidity	5%~95%RH	5%~95%RH	5%~95%RH
Communication protocol	CAN communication	--	RS485 communication
Levels of protection	IP54	IP54	IP54
Weight	Customize	Customize	Customize
Size	Customize	Customize	Customize
Assurance /Lifetime	More than 3 years	More than 3 years	More than 3 years

## SPBS Series

Solar outdoor portable power station

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### PORTABLE ENERGY STORAGE POWER STATION



Item	Technical Parameters			
Model	JLS-OB200	JLS-OB300	JLS-OB500	JLS-OB800
Battery voltage	11.1V	11.1V	11.1V	11.1V
Energy	200Wh	300Wh	500Wh	800Wh
Battery Power	200W	300W	500W	800W
Inverter	Built in	Built in	Built in	Built in
Photovoltaic panel power	<100W	<100W	<100W	<200W
Photovoltaic panel voltage	<36V	<36V	<36V	<36V
Photovoltaic control system	Built in	Built in	Built in	Built in
Battery charging voltage	12.6Vdc	12.6Vdc	12.6Vdc	12.6Vdc
Battery discharge cutoff voltage	7.5Vdc	7.5Vdc	7.5Vdc	7.5Vdc
Output	220Vac/110Vac	220Vac/110Vac	220Vac/110Vac	220Vac/110Vac
Ac / DC switching	12VDC/5VUSB	12VDC/5VUSB	12VDC/5VUSB	12VDC/5VUSB
Operating temperature range	5~8ms	5~8ms	5~8ms	5~8ms
Working humidity	-20~60°C	-20~60°C	-20~60°C	-20~60°C
Communication protocol	5%~95%RH	5%~95%RH	5%~95%RH	5%~95%RH
Levels of protection	IP54	IP54	IP54	IP54
Weight	2.6kg	2.8kg	3.8kg	5.5kg
Size	230*170*90mm	250*220*110mm	280*140*110mm	420*140*190mm
Assurance /Lifetime	More than 3 years	More than 3 years	More than 3 years	More than 3 years



## ELECTRIC BICYCLE Series

Electric bicycle battery



Item	Technical Parameters			
Product name	golf cart battery	Low speed vehicle battery	Sliver fish ebike battery	Bottle ebike battery
Appearance size	452*166*227mm	220*330*530mm	285*107*75mm	90*350mm
Weight	25kg	48kg	3kg	3kg
Rated voltage	48V	60V	36V	36V
Rated capacity	75Ah	100Ah	10AH	10Ah
Charging limiting voltage	54.6V	67.2V	42V	42V
Maximum charging current	25A	30A	3A	3A
Maximum discharge current	75A	100A	15A	10A
Operating temperature range	-20~60°C	-20~60°C	-20~60°C	-20~60°C

## MOPED/SCOOTER BATTERY PACK Series

Customized battery pack

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Item	Technical Parameters			
Product name	balancing unicycle	Balance scooter	E-scooter battery	Booster car battery
Appearance size	22*145*132mm	58*85*135mm	275*95*45mm	253*83*68mm
Weight	1kg	1.2kg	2.5kg	3.0kg
Rated voltage	60V	36V	36V	48V
Rated capacity	2.2AH	4.4AH	10Ah	10Ah
Charging limiting voltage	67.2V	42V	42V	54.6V
Maximum charging current	2A	2A	2A	5A
Maximum discharge current	5A	10A	15A	15A
Operating temperature range	-20~60°C	-20~60°C	-20~60°C	-20~60°C

## CUSTOMIZED BATTERY Series

Customized battery



Item	Technical Parameters			
Battery type	LI-Ion	LI-Ion	LiFePO4	LiFePO4
Rated Voltage	7.4V	11.1V	12.8V	12.8V
Rated capacity	2.2AH	20AH	40Ah	100Ah
Charging limiting voltage	8.4V	12.6V	14.6V	14.6V
Max charge current	2A	10A	10A	1C
Max discharge current	4.4A	20A	20A	2C
Size	18*38*68mm	68*100*120mm	75*130* 260mm	90*200*356mm
Weight	100g	1.6KG	5.3KG	11KG
Operating temperature range	-20-60°C	-20-60°C	-20-60°C	-20-60°C

## CUSTOMIZED BATTERY Series

Customized battery

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## COMMUNICATION BASE STATION BATTERY PACK Series

Customized battery



Item	Technical Parameters	
Model	JLS-13S	JLS-15S
Nominal Voltage	48Vdc	48Vdc
capacity	50Ah	50Ah
Usage system	Li-Ion	LiFePO4
Working temperature	-2~60°C	-2~60°C
Overcharge detection voltage	54.6±0.05V	54.75±0.05V
Overcurrent protection delay	1s±0.5s	1s±0.5s
Over-discharge detection voltage	35.7±0.05v	33.0±0.05v
Short circuit protection delay	<1ms	<1ms
Overcurrent/short circuit protection recovery conditions	Charge release	Charge release
Communication Protocol	RS485,RS232	RS485,RS232

## UPS BATTERY Series

DC-DC UPS

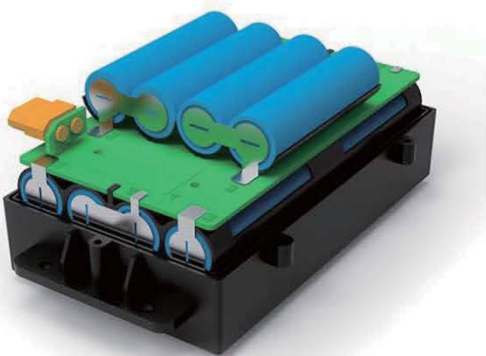
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Item	Technical Parameters			
Item	UPS1512A-0520	UPS1512A-1210	UPS1606-1220	UPS1606-1230
Model	2600mAh*1	2600mAh*1	2200mAh*3	3200mAh*3
Battery	AC110-240V 50-60Hz	AC110-240V 50-60Hz	AC110-240V 50-60Hz	AC110-240V 50-60Hz
Input	DC 5V±5%(Max 1A)	DC 12V±5%(Max1A)	DC 12V±5%(Max2A)	DC 12V±5%(Max3A)
Output	10W	12W	24W	36W
Power	USB to DC 5.5*2.5/	USB to DC 5.5*2.5/	*Female5.5*2.5 input;	*Female5.5*2.5 input;
Interface	5.5*2.1/3.5*1.35mm	5.5*2.1/3.5*1.35mm	Female 5.5*2.5 output*	Female 5.5*2.5 output*
Charge time	3 Hours to 90%	3 Hours to 90%	8hrs to 90%	8hrs to 90%
Size	100*50*54.5mm	100*50*54.5mm	110*90*35mm	110*90*35mm

## TOOL BATTERY PACK Series

Customized battery



Item	Technical Parameters			
Model	JLS-1815	JLS-1840	JLS-7222	JLS-1022
Nominal Voltage	18Vdc	18Vdc	7.2Vdc	10.8Vdc
Maximum continuous current	30A	40A	10A	10A
Usage system	Li(NiCoMn)O2	Li(NiCoMn)O2	Li(NiCoMn)O2	Li(NiCoMn)O2
Working temperature	-20~60°C	-20~60°C	-20~60°C	-20~60°C
Overcharge detection voltage	4.25±0.05V	4.25±0.05V	4.25±0.025V	4.25±0.05V
Overcharge detection delay	0.5~3s	0.5~3s	≤1s	0.5~3s
Overcharge release voltage	4.05±0.05v	4.05±0.10v	4.05±0.10v	4.05±0.05v
Overdischarge detection voltage	2.5±0.05v	2.5±0.10v	2.5±0.05v	2.5±0.05v
Overdischarge detection delay	10-100ms	10-100ms	20-80ms	10-100ms

## PORTABLE BATTERY Series

Portable battery

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Item	Technical Parameters			
Battery type	Li(NiCoMn)O2	Li(NiCoMn)O2	LiFePO4	LiFePO4
Rated voltage	11.1V	11.1V	25.6V	12.8V
Rated Capacity	10Ah	20Ah	40Ah	20Ah
Charge limit voltage	12.6V	12.6V	28.8V	14.6V
Working temperature range	-20~60°C	-20~60°C	-20~60°C	-20~60°C
Connector	Customized	Customized	Customized	Customized
Display	LCD/LED	LCD/LED	LCD/LED	LCD/LED
Battery shell	Plastic/ Metal	Plastic/ Metal	Plastic/ Metal	Plastic/ Metal