



Future Path Future Path Electronics Technology (Dongguan) Co. Ltd.

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Company Introduction



Company Profile

Zhifu Electronic Technology (Dongguan) Co., Ltd. is a subsidiary of Zhifu technology. The company pays attention to R & D design and professional management. Product types: low-speed kinetic energy battery, energy storage battery, power supply and other 3C peripheral products. R & D capability: relying on the strong R & D capability of the R & D team of five factories in five places.

In combination with the future development trend, the company is striving to build a battery supermarket and provide one-stop service. Solve the inconvenience of people using batteries and other problems.

Future Development

We are willing to be down-to-earth, adhering to the concept of growth, happiness and respect. We will, as always, take environmental protection and energy demand as the guide, R & D as the driving force, quality as the core, customer satisfaction, achievement of employees, shareholder value-added, partner respect and social recognition as the purpose, constantly create value for customers and achieve win-win results!

Social Responsibility Promoting Chinese Culture

On January 2, 2018, Zhifu filmed a promotional film to land in Times Square in New York, promoting the "humble divination" in the book of changes and the Taoist idea of "good as water", and telling the world the idea that "the core culture of the Chinese nation is based on humility, which is conducive to the harmonious coexistence of all ethnic groups in the world".



Company Certification



ISO9001: 2015

ISO14001:2015

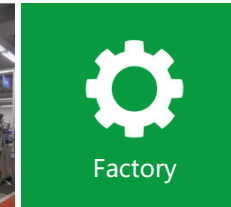


CQC product
certification

TUV product
certification

UL
certificate

CB
certificate



Future Path FP2022



ENERGY STORAGE POWER



Portable emergency energy storage power supply

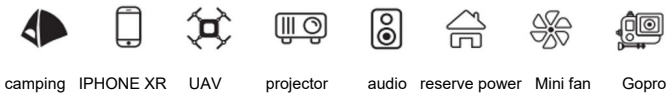
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FP1000



Battery Classification	LiNiCoMnO2 Battery
Battery Energy	1038Wh
Charging Input	solor energy (18~24VDC) ,adaptor (19~24VDC),Car Charge (12~15VDC) , Maximum charging power120W
AC Output	100-120VAC、220-240VAC, 50Hz/60Hz ±3Hz pure wave, maximum power output1000W
USB Output	Four USB parameters 1*TYPE-C 60W, 2*USB-A 5V2.4A ,1*USB-A QC 3.0 18W
12VDC Output	DC5521:12V7A Cigarette lighter output:12V10A
Output Protection	Overcharge protection; over discharge protection; temperature protection; over-current protection; Short circuit protection; power protection
LED Lighting	Four gears, low light, highlight, SOS, Blasting flash mode
Dimension	192*192*303 (W*H*L)mm
Weight	10KG
Certificate	CE/FCC/ROSH/PSE/UN38.3/MSDS/dangerous packing certificate

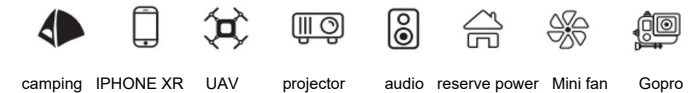


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FP1500



Battery Classification	LiFePO4
Battery Energy	1536Wh
Charging Input	Adaptor800W, Cars charging130W, solar maximum charging power400W
AC Output	100-120VAC、220-240VAC, 50Hz/60Hz ±3Hz pure wave, maximum power output1500W
USB Output	1*TYPE-C 100W, USB-A 3*24W , Cigarette lighter output:12V10A
Wireless Charging	15W*1
Output Protection	Over charging protection; over discharging protection; temperature protection; over- current protection; short circuit protection; power protection
LED Lighting	Four gears, low light, highlight, SOS, blasting flash mode
Dimension	300*250*460 (W*H*L)mm
Weight	19KG
Certificate	CE/FCC/ROSH/PSE/UN38.3/MSDS/dangerous packing certificate





Portable emergency energy storage power supply

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FP2000



Battery Classification	LiFePO4
Battery Energy	2048Wh
Charging Input	Maximum charge1000W, solar and DC charging input(12V-72V) Maximum 800W Maximum AC power output2000W
AC Output	Two TYPE—C3.0 output 100W*2; four USBQC3.0output 20W*4 , 12V/24V Cigarette
DC Output	lighter output100W*2 10ms UPS fast switch, true UPS
UPS Function	Support a maximum of six parallel expansion
Capacity expansion in parallel	Four gears, low light, highlight, SOS, Blasting flash mode
LED lighting	Overcharge protection; over discharge protection; temperature protection; over-
Output Protection	current protection; Short circuit protection; power protection
Dimension	200*320*450 (W*H*L)mm
Weight	23KG
Certificate	CE/FCC/ROSH/PSE/UN38.3/MSDS/dangerous packing certificate



camping IPHONE XR UAV projector audio reserve power Mini fan GoPro

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FP3000



Battery Classification	LiFePO4
Battery Energy	3072Wh
Charging Input	Adaptor1500W, charging pile charging1500W, solar maximum charging power1200W
AC Output	100-120VAC、220-240VAC, 50Hz/60Hz ±3Hzpure wave, maximum power output3000W
USB Output	2*TYPE-C 100W, USB-A 3*24W , Cigarette lighter output:12V10A
Wireless Charging	15W*2
Output Protection	Overcharge protection; over discharge protection; temperature protection; over-
LED Lighting	current protection; Short circuit protection; power protection
Dimension	Four gears, low light, highlight, SOS, Blasting flash mode
Weight	300*460*400 (W*H*L)mm
Weight	36KG
Certificate	CE/FCC/ROSH/PSE/UN38.3/MSDS/dangerous packing certificate



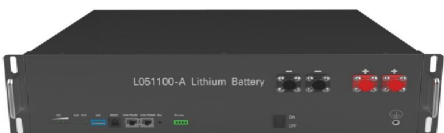
camping IPHONE XR UAV projector audio reserve power Mini fan GoPro



Energy storage power supply

储 能 电 源

48V series products



Intergrated energy storage



Wall-mounted energy storage



FP4850



- Use safety
- Low self discharge rate
- Environment friendly, no heavy metals
- Easy to install, 19 foot cabinet or wall mounted
- Excellent high temperature performance
- High energy density and conversion efficiency
- High cycle times and long life
- Adopt high-performance BMS battery management system

FP48100



FP48200



Number	Mode	Dimension (mm)	Height (u)	Weight (kg)
1	FP4850	442*442*132	3U	32
2	FP48100	442*530*177	3U	43
3	FP48200	442*560*244	5.5U	82

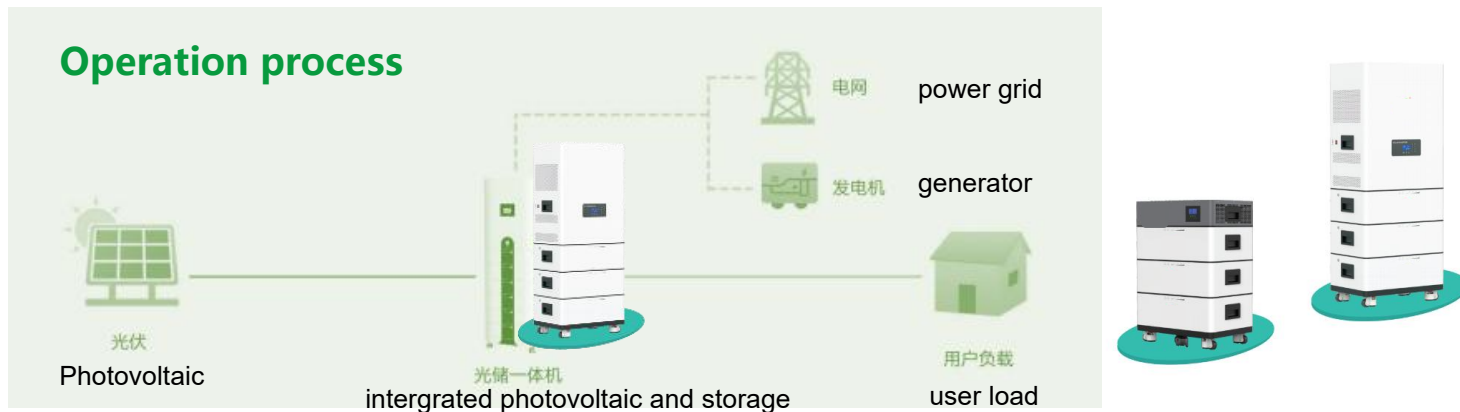
Main technical parameters of battery:

battery classification:	LiFePO4 (LFP)
Nominal Voltage :	48V(15S)/51.2V(16S)
Nominal Capacity:	50Ah/100Ah/200Ah
Working Voltage Range:	37.5V~54.7V (15S)
Working Current Range:	40V~58.4V (16S)
Standard Charging Current:	0.5C
Maximum Charging Current:	1C
Standard Discharging Current:	0.5C
Maximum Discharging Current:	1C
Maximum Cut-off Voltage for Charging:	54.7V(15S) / 58.4V(16S)
End-off Current:	0.05C
End-off Voltage:	37.5V(15S) / 40V(16S)
PACK Cycle Life:	6000次≥80% primary capacity (25°C±2°C, 0.2C charge/0.2C discharge)
Battery System Shell Material:	Black Q235
Design Life:	10 years
Parallel Function:	A maximum of 64 batteries can be connected in parallel
Charging Current limitedFunction:	<input type="checkbox"/> 10A <input type="checkbox"/> 15A <input type="checkbox"/> 20A
Communication Mode:	<input type="checkbox"/> RS232 <input type="checkbox"/> RS485 <input type="checkbox"/> CAN
Working Temperature (°C) :	Charge 0 ~ 55°C, Discharge-20 ~ +60°C
Storage Temperature (°C) :	Recommended temperature 0~+30°C

Application



Operation process

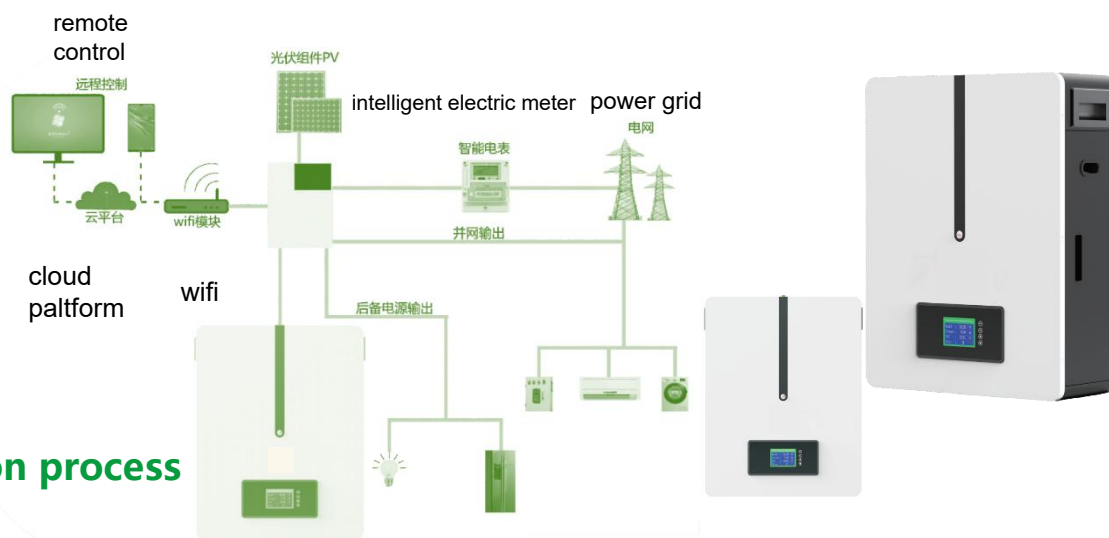


Main technical parameters

Technical specifications of the battery module:

Battery Classification:	LiFePo4 (LFP)
Nominal Voltage:	48V(15S)/51.2V(16S)
Nominal Capacity:	100Ah
Working Current range:	37.5V~54.7V (15S)
Working Voltage range:	40V~58.4V (16S)
Standard Charging Current:	50A
Maximum Charging Current:	100A
Standard Discharging Current:	50A
Maximum Discharging Current:	100A
Maximum Cut-off Voltage for Charging:	54.7V(15S) / 58.4V(16S)
End-off Current:	5A
End-off Voltage:	37.5V(15S) / 40V(16S)
PACK Cycle Life:	6000次≥80%Primary Capacity (25°C±2°C, 0.2C charge/0.2C discharge)
Battery System Shell Material:	White Q235
Design Life:	10 Years
Parallel Function:	A maximum of 64 batteries can be connected in parallel
Charging Current Limited Function:	<input type="checkbox"/> 10A <input type="checkbox"/> 15A <input type="checkbox"/> 20A
Communication Mode:	<input type="checkbox"/> RS232 <input type="checkbox"/> RS485 <input type="checkbox"/> CAN
Working Temperature (°C) :	Charge 0~ 55°C, Discharge -20~ +60°C
Storage Temperature (°C) :	Recommended Temperature 0~+30°C

Application



Operation process

Main technical parameters

Model	W48100B-IP65	W48200B-IP65
Battery Voltage Range	40V-58.4V	40-58.4V
Battery Capacity Range	100AH	200AH
Maximum Charging/Discharging Current	50A/100A	100A/200A
Battery Classification	LiFePO4	LiFePO4
USB	RS485/RS232/CAN (optional)	RS485/RS232/CAN (optional)
Battery Charging and Discharging Efficiency	≥92%	≥92%
Maximum power	5.12KW	10.24KW
Cooling Mode	Natural cooling	Natural cooling
Dimension (H/W/L)	568*165*453 mm	1000*100*770 mm
Weight	50kg	78kg
Monitoring	GPRS/4G/WIFI (optional)	GPRS/4G/WIFI (optional)
PACK Cycle Life	6000次≥80%primary capacity (25°C±2°C, 0.2C charge /0.2C discharge)	
Design Life	10 Years	10 Years
Number in parallel	16P	16P

Applicable environment



高端别墅
Villas



游牧地区
Nomadic area



农场
Farm



居民用电
Household

12V storage energy series

Mode	Dimension(W*H*D)mm	Nominal Voltage(V)	Nominal Capacity(Ah)	Nominal Energy(Wh)	Working Voltage(V)	Weight (kg)
FP-1204M	90*70*107	12.8	4	51.2	10-14.6	0.5
FP-1207M	151*65*99	12.8	7	89.6	10-14.6	0.9
FP-1212M	151*98*101	12.8	12	153.6	10-14.6	1.4
FP-1218M	181*77*167.5	12.8	18	230.4	10-14.6	2.4
FP-1220M	181*77*167.5	12.8	20	256	10-14.6	2.6
FP-1233M	166*175*125	12.8	33	422.4	10-14.6	4.2
FP-1240M	197*165*170	12.8	40	512	10-14.6	5.2
FP-1250M	257*132*200	12.8	50	640	10-14.6	7
FP-1260M	260*168*214	12.8	60	768	10-14.6	8.4
FP-1275M	260*168*214	12.8	75	960	10-14.6	9.5
FP-12100M	483*170*283.5	12.8	100	1280	10-14.6	13.1
FP-12150M	406*173*215	12.8	150	1920	10-14.6	18
FP-12200M	522*240*224	12.8	200	2560	10-14.6	24.2

24V storage energy series

Mode	Dimension(W*H*D)mm	Nominal Voltage(V)	Nominal Capacity(Ah)	Nominal Energy(Wh)	Working Voltage(V)	Weight (kg)
FP-2404M	151*98*101	25.6	4	102.4	20-29.2	1.21
FP-2410M	181.5*77*167.5	25.6	10	256	20-29.2	2.76
FP-2420M	195*65*175	25.6	20	512	20-29.2	5.92
FP-2430M	260*168*214	25.6	30	768	20-29.2	8.5
FP-2440M	330*173*220	25.6	40	1024	20-29.2	12.6
FP-2450M	330*170*220	25.6	50	1280	20-29.2	15
FP-2460TC	330*173*216	25.6	60	1536	20-29.2	17.8
FP-2470M	483*170*238.5	25.6	70	1792	20-29.2	19.5
FP-2480M	522*240*224	25.6	80	2048	20-29.2	22.7
FP-24100M	522*240*224	25.6	100	2560	20-29.2	25.2
FP-24120M	520*269*220	25.6	120	3072	20-29.2	29.6
FP-24150M	400*300*173	25.6	150	3840	20-29.2	38.4

Product advantages

- Environmentally friendly, free of heavy metals
- High power, high capacity and long cycle life
- Excellent security
- Wide working temperature range (-20°C-60°C)
- Low self discharge rate (< 1% per month), no memory effect
- Small size and light weight, direct replacement of lead-acid battery
- Excellent fast charging performance, 1c fast charging, more than 90% of rated power can be charged in one hour



application area

Street lamps, Solar energy storage system

Medical equipment

Communication device

Electric cars and electric bikes



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