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COMPANY PROFILE

公司简介



Shenzhen First Power Energy Co.,Ltd. is a leading manufacturer of Lithium batteries. Established in 2010 which is fully engaged in research & development, production and sales of high quality Lithium batteries. We have research centre in Shenzhen and factory in Dongguan.

Shenzhen First Power Energy Co.,Ltd. has R&D laboratories and product safety testing rooms with advanced equipment. Our production procedures are in strict accordance with ISO: 9001-2015 quality management system. Our budget on R&D is more than 1,000,000 RMB per year. Our products are sold worldwide in different regions.

Our main products include different types of lithium battery pack with voltage 5V~200V, capacity 2Ah-500Ah,Which can be used by electric bicycles, electric motorcycles, self-balancing scooters, medical equipment, Industrial equipment, power tools, testing equipment, Drones, Communications base stations,energy storage etc.

We also provide the full services of customized battery products,including battery design,development,selection cells and BMS. We serve our customer with a full range of battery solutions.

深圳市一级动力能源有限公司成立于2010年，是国内领先动力电池的高新技术企业公司。下设东莞一展电子科技有限公司生产基地。我们专注于动力锂电池研发、制造、销售。通过集成智能型高压，大容量的锂离子电池组，主要应用于电动自行车，电动摩托车，电动滑板车，平衡车，医疗设备，无人飞机，储能等各类产品，公司可为客户提供各类定制电池产品，从产品的前端设计开发、电芯选用、电池管理系统提供全方位的解决方案



CORE VALUE

TO PROVIDE CUSTOMERS WITH HIGH QUALITY PRODUCTS AND EXCELLENT SERVICE.

公司团队

公司拥有多年从事锂电行业、硬件和软件研发能力过硬的工程技术和生产及质量管理团队，对于加工制造流程的每一步均严格管控，并在工艺上不断进行优化和完善。

我们的宗旨:共创绿色、低碳、清洁家园

我们的使命:提供“优质、高效、环保”的锂电池产品

我们的目标:为客户提供超一流的品质和服务。



OUR TEAM

We have excellent engineers with years of experiences in the product development of Lithium batteries. We also have professional quality management team to ensure the high quality standard of our products. We check strictly each step of the production process, which is continually improved and optimized

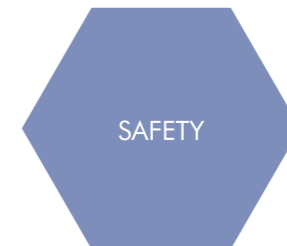
Our purpose: To create a green, low-carbon and clean world

Our mission: To manufacture high-quality, high-efficiency and environmental-friendly products

Our goal: To provide our customers with superior quality and service



+



+



QUALITY ASSURANCE

品质控制

Shenzhen First Power Energy Co.,Ltd fully implemented ISO: 9001-2015 quality system standards and focused on the professional lithium battery pack, with people and quality oriented management concept. The quality inspection from incoming material to finishing products package, we pay attention to every details.

Standardized and advanced testing measure and equipment to make sure our products with more competitive

公司以人为本的品质管理理念，立足为专业的锂电池PACK企业，全面执行ISO:9001-2015质量体系的各项标准，品质检测包含电芯和保护板、生产过程控制、半成品和成品直至包装出货的每一个关键环节。

标准化、规范化的检测手段和先进的检设备，让我们的产品更具竞争力。

FINISHED PRODUCT TESTING MACHINE



CELL AUTOMATIC SORTING MACHINE



PROTECTION BOARD TESTING MACHINE



FULL & STRICT QUALITY CHECKING
全程质量严格检测



VIBRATION TESTING MACHINE



AGING TEST CABINETS



AUTOMATIC SPOT WELDING MACHINE



CUSTOMIZED BATTERY FOR YOU!

- OEM/ODM

Customized battery solution
专业锂电池定制专家

18650 cell

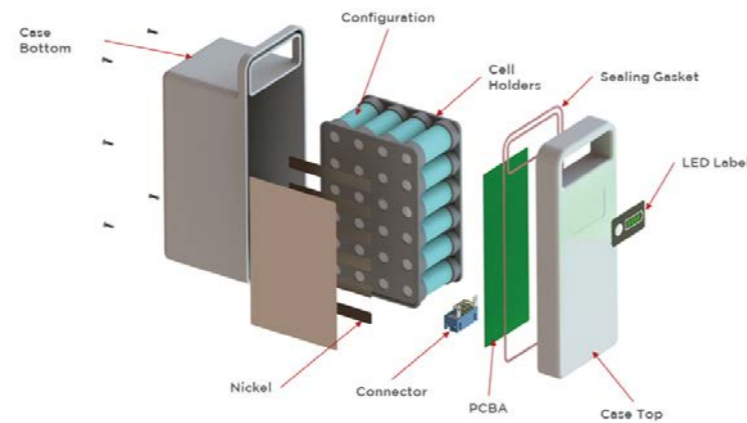


21700 cell



- Free Battery Design

Case 3D construction design, Inner structure design
免费设计电池盒外观, 内部结构

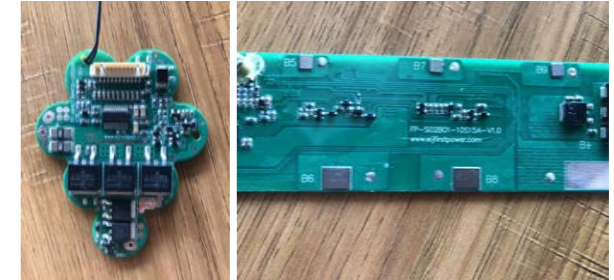


- BMS

Battery management system design
电池管理系统 BMS 设计

Customized Standard BMS

- Over charge protection 过充保护
- Over discharge protection 过放保护
- Over current protection 过流保护
- short circuit protection 短路保护
- Temperature Protection 温控保护
- Anti spark design 防打火设计



Customized Smart BMS

Battery read-out by UART/CAN Protocol



USB Dongle



Read by PC with FirstPower software.



Read by Display



EBIKE BATTERY

FRAME INTRGRATED BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-MINI	18650	430*64*74	40	36V 14Ah
FP-PRO	18650	430*64*94	52	36V 17.5Ah 48V 14Ah
FP-Micro-Top pull	21700	386*59*72	20	36V 10Ah
FP-Micro-Down pull	21700	386*59*72	20	36V 10Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-IR-5-Down pull	18650	343*74*99	52	36V 17.5Ah 48V 14Ah
FP-IR-5-Top pull	18650			
FP-FR-5	18650			
FP-IR-7-Down pull	21700	424*74*786	42	36V 20Ah 48V 15Ah

EBIKE BATTERY

FRAME INTRGRATED BATTERY



Model	Cell type	Battery size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-IG-5-Top pull	18650	426*90*68	50	36V 17.5Ah
FP-IG-5-Down pull				
FP-IG-5-Side pull				
FP-IG-7-Top pull	18650	426*90*87	70	36V 24.5Ah 48V 17.5Ah
FP-IG-7-Down pull				
FP-IG-7-Side pull				



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-ID-MINI	18650	458*65*74	40	36V14Ah
FP-ID-PRO	18650	458*65*85	50	36V17.5Ah
FP-ID-PLUS	18650	458*65*104	65	36V 21Ah / 48V 17.5Ah
FP-ID-MAX	18650	458x79x104	80	36V 28Ah / 48V 21Ah

EBIKE BATTERY

FRAME INTRGRATED BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-HS-SSE124	21700	445*95*82.3	50	36V 25Ah / 48V 15A
FP-NY-SSE-085	18650	421*68*86	40	36V 14Ah
FP-NY-SSE-102	18650	421*68*86	40	36V 14Ah
FP-NY-SSE-101	18650	487*68*96.09	65	36V 21Ah / 48V 17.5Ah
FP-CL-SSE122	21700	441*84.7*72	40	36V 20Ah / 48V 15Ah
FP-HS-SSE125	21700	433.3*71.5*102	40	36V 20Ah
	21700	433.3*71.5*102	39	48V 15Ah

EBIKE BATTERY

FRAME INTRGRATED BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-HY-SSE110	21700	362*97*89.7	30	36V 15Ah
FP-HY-SSE109	21700	424.6*90*104.7	30	36V 15Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-SL-SSE118	21700	442*165*84.7	40	36V 20Ah
	21700	442*165*84.7	39	48V 15Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-SN-SSE130	18650	362*97*89.7	40	36V 20Ah 48V 15Ah

EBIKE BATTERY

INNER TUBE BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-IF-2C	18650	681x46x46	28	24V 14Ah
FP-IF-3C	18650	609*47*62	30	36V 10.5Ah
FP-IF-4C	18650	544*64*67	40	36V 14Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-SN-SSE123	21700	437.5*48.8*48.1	20	24V 7Ah 36V 10Ah
FP-SN-SSE116	21700	435.5*59*60.4	20	24V 7Ah 36V 10Ah

EBIKE BATTERY

INNER TUBE BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-FE-3	18650	376x40x82	30	36V 10.5Ah
FP-FR-4	18650	376*40*100	40	36V 10.5Ah
FP-FS-3	18650	376*42*85	30	24V 14Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP3617R5N09	18650	430*42*103	52	48V 14.5Ah
				36V 17.5Ah
FP3617R5N09	18650	420*42*103mm	50	36V 17.5Ah
FP4817R5N09	18650	420*115*58	65	48V 17.5Ah

EBIKE BATTERY

DOWN TUBE BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-Hailong No 1	18650	367.4*90.3*89.5	52	36V 17.5Ah / 48V 14Ah
FP-Hailong I-II	18650	367.4*90.3*111	65	36V 21Ah / 48V 17.5Ah
FP-Hailong Plus	18650	367.4*90.3*109.4	65	36V 21Ah / 48V 17.5Ah
FP-Hailong Pro	18650	367.4*90.3*92.8	52	36V 17.5Ah / 48V 14Ah
FP-HL-SSE113	18650	367.4*90.3*92.8	56	36V 17.5Ah / 48V 14Ah
FP-HL-SSE114	18650	362*90.3*109.4	70	36V 24.5Ah / 48V 17.5Ah
FP-HL-SSE112	18650	367.5*127.3*90.3	80	36V 28Ah / 48V 21A
FP-XP-42	21700	387*100.6*94.4	42	36V 20Ah / 48V 15Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-DP-5C	18650	368*90*96	52	36V17.5Ah / 48V 14Ah
FP-DP-5	18650	368*90*96	56	36V17.5Ah / 48V 14Ah / 52V 14Ah
FP-DP-6C	18650	368*90*113	65	36V21Ah / 48V 17.5Ah
FP-DP-6	18650	368*90*113	70	36V24Ah / 48V 17.5Ah / 52V 17.5Ah
FP-DP-9C	18650	368*90*141	84	36V28Ah / 48V 21Ah / 52V 21Ah
FP-DP-9	18650	368*90*141	91	36V31.5Ah / 48V 24.5Ah
FP-2170-4C	21700	368*95*106	40	36V 20Ah
FP-2170-5C	21700	368x95x125	52	36V 25A / 48V 20Ah

EBIKE BATTERY

DOWN TUBE BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-DK-5-T	18650	526*79*72	52	36V17.5Ah 48V 14Ah
FP-DK-5-B	18650	526*79*87		
FP-DK-7-T	21700	526*79*90	42	36V 20Ah 48V 15Ah
FP-DK-7-B	21700	526*78*104		



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-DS-4	18650	342*78*99	40	36V 14Ah
FP-DS-4C	18650	378*78*99	40	36V 14Ah
FP-DS-5	18650	343*78*114	52	36V 17.5Ah / 48V 14Ah
FP-DS-5C	18650	378*78*114	52	36V 17.5Ah / 48V 14Ah
FP-DS-6	18650	343*78*132	65	36V 21Ah / 48V 17.5Ah
FP-DS-6C	18650	378x78x132	65	36V 21Ah / 48V 17.5Ah

EBIKE BATTERY

REAR RACK BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-RB-1	18650	446*156*64	52	36V 17.5Ah / 48V 14Ah
FP-RB-2	18650	438*156*64	52	36V 17.5Ah / 48V 14Ah
FP-RB-3	18650	438*156*64	52	36V 17.5Ah / 48V 14Ah
FP-RB-1-Plus	18650	425*155*64	60	36V 21Ah / 48V 14Ah
FP-RB-2-Plus	18650	425*155*64	60	36V 21Ah / 48V 14Ah
FP-RB-3-Plus	18650	425x156x64	60	36V 21Ah / 48V 14Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-SX-SSE078	18650	457.9*165.3*89.2	91	36V 31.5Ah 48V 24.5Ah

EBIKE BATTERY

REAR RACK BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-RK-3	18650	282*148*56	30	24V 14A 36V 10.5Ah
FP-RK-3C	18650	340*148*74	30	24V 14A 36V 10.5Ah
FP-RK-4	18650	349*148*56	40	36V 14Ah
FP-RK-4C	18650	349x148x56	40	36V 14Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-SX4	21700	435*110*89	40	36V 20Ah 48V 15Ah
FP-SX-SSE088	18650	444.3*150*74.6	52	48V 14Ah 36V 17.5Ah

EBIKE BATTERY

SEAT TUBE BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-S-01	21700	420*87.25*73.64	40	36V 20Ah
FP-S-02	21700	560*87.25*73.64	52	48V 20Ah
FP-S-03	21700	630*87.25*73.64	65	48V 25Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-S-04	18650	410*76.48*65	40	36V 12A
FP-S-05	18650	520*76.48*65	52	48V 12A
FP-S-06	18650	610*76.48*65	65	48V 15A

EBIKE BATTERY

SEAT TUBE BATTERY



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-S-07	18650	410*53	20	36V 7Ah
FP-S-08	18650	610*53	30	36V 10.5Ah
FP-S-09	18650	602.5*56	28	24V 14Ah
FP-S-10	18650	602.5*56	20	36V 7Ah



Model	Cell type	Size L·W·H (mm)	Max cell (PCS)	Max capacity
FP-SF-11	18650	390*110*78	65	36V 17.5Ah
FP-BSF-12	18650	390*110*78	65	38V 17.5Ah

MORE CUSTOMIZED BATTERIES

更多订制电池

- . Power to Medical & Care, Home ,Sport & Entertainment, Commercial & Industrial Applied.
- Get a power solution for your products.
- .5V-500V and 2AH-200Ah according to customer's requirement and different application.
- SONY, SAMSUNG, PANASONIC, LG and top Chinese brand CELLS with reliable quality

CERTIFICATION

认证



PICC Property and Casualty Company Limited
 中国人民财产保险股份有限公司
 Products Liability Insurance Insurance no.:PZAI20193201000000087
 产品责任险 保险单号: PZAI20193201000000087



VACUUM CLEANER



WRELESS VACUUN



ELECTRIC FORK LIFT



SPORT WHEEL



COMMERCIAL USE ROBOT



ELECTRIC MOWER



ARMY USE ELECTRIC TORCH



PATIENT LIFE



REMOTE CONTROL AIRCRAFT



EXPLOSIVE DRUG DETECTOR

ISO 9001
 The Certificate Of Quality Management System
 Certificate No.: 049200059985
 DongGuan Yizhan Electronics Technology Co., Ltd
 According to your organization's application, our company carried out audit and certification in accordance with the requirements for Quality Management System (GB/T19001-2016/ISO9001:2015), it accords with the requirements through assessment. The scope of the certified QMS is:
 Design, development, assembly and sales of power lithium battery components
 Initial date: 2020-06-01
 Term of validity of this certificate: 2020-06-01 to 2023-05-31

ISO 14001
 The Certificate Of Environmental Management System
 Certificate No.: 049200059985
 DongGuan Yizhan Electronics Technology Co., Ltd
 According to your organization's application, our company carried out audit and certification in accordance with the requirements for Environmental Management System (GB/T24001-2016/ISO14001:2015), it accords with the requirements through assessment. The scope of the certified EMS is:
 Design, development, assembly and sales of power lithium battery components and related management activities
 Initial date: 2020-06-01
 Term of validity of this certificate: 2020-06-01 to 2023-05-31

EN: ISO 13849

Technical Report
 Technical Report No.: 70-300-20-19248-01
 Date: 2021-04-13
 Client: Dongguan Yizhan Electronics Technology Co., Ltd
 3rd Floor, Zhenfeng Road, No. 5, Wuliu Community, Changlin Town, Dongguan City, Guangdong, China
 Manufacturing place: Dongguan Yizhan Electronics Technology Co., Ltd
 3rd Floor, Zhenfeng Road, No. 5, Wuliu Community, Changlin Town, Dongguan City, Guangdong, China
 Test subject: Product: Battery
 Type: FP series
 Test application: EN ISO 13849-1:2015 (PL1) EN 15194:2017 clause 4.3.22
 Purpose of examination: Inspection according to the test specification
 The test result show that the presented product is in compliance with the specific requirements.
 Test result: In case of a full testing non-compliance can be located.

CE

Attestation of Conformity
 No. ERA 111164 0001 Rev. 00
 Holder of Certificate: DongGuan Yizhan Electronics Technology Co., Ltd
 3rd Floor, Zhenfeng Road, No. 5, Wuliu Community, Changlin Town, Dongguan City, Guangdong, P.R. of China
 Name of Object: Battery Packs
 Battery
 Model(s): FP361604HQ2, FP361604HQ3, FP361604TZ, FP361604HQ1, FP361604HQ4
 Description of Object: 3.6V DC, 1600mAh, 1600mAh, 1600mAh, 1600mAh
 Tested according to: EN 15194:2017 Clause 4.2.15
 Date: 2021-01-21

IEC62133

TEST REPORT
 IEC 62133-2
 Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications – Part 2: Lithium systems
 Report Number: CN020806-001
 Date of Issue: 2021-04-13
 Total number of pages: 24 pages
 Name of Testing Laboratory: Shenzhen LCS Compliance Testing Laboratory Ltd
 Preparing the Report: Dongguan Yizhan Electronics Technology Co., Ltd
 Applicant's name: Dongguan Yizhan Electronics Technology Co., Ltd
 Address: 3rd Floor, No. 5, Zhenfeng Road, Wuliu Community, Changlin Town, Dongguan City, Guangdong, P.R. China
 Test specification: IEC 62133-2:2017
 Test procedure: CB Scheme
 Non-tested test method: N/A
 Test Report Form No.: IEC 62133_2A
 Test Report Form Originator: IEC/TC64
 Master TRF: Dated 2017-08-10
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UN38.3

PONY
 PONY Testing Laboratory Group
 报告编号(Report ID): MK087ERH22573721
 CNAS
 UN38.3 测试报告
 UN38.3 Test Report
 样品名称及型号: 锂离子电池 型号: FP361604HQ2
 Sample Name & Model: Rechargeable Li-ion battery Model: FP361604HQ2
 委托单位: 深圳第一动力能源有限公司
 Applicant: Shenzhen First Power Energy Co., Ltd
 生产单位: 东莞一磁电子科技有限公司
 Manufacturer: Dongguan Yizhan Electronics Technology Co., Ltd