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UAV INTELLIGENT BATTERY AND POWER SUPPLY SYSTEM

无人机智能电池及供电系统

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企业及品牌介绍

INTRODUCTION TO ENTERPRISE AND BRAND

Company Profile



Founded in 2005, ZENFON Technology Co., Ltd. is a high-tech enterprise focusing on "overall R&D, manufacturing and sales of intelligent lithium battery modules and lithium battery BMS management system".

Based on the R&D, design and manufacturing capabilities of new energy battery intelligent management system (BMS), the company has gradually formed three business patterns, namely, UAV intelligent power supply system, outdoor application energy storage management system and low-speed electric vehicle power management system. At present, the company's self-developed UAV intelligent battery and SPower intelligent battery management system are leaders in the plant protection UAV industry, filling the gap in the plant protection UAV intelligent battery market.

The technical center of the company has a professional lithium battery management system research and development team and a UAV intelligent power supply system research and development team. The team now has more than 80 people, most of whom are senior engineers who have worked in the lithium battery industry for more than 5 years.

The company has formed 34 patented technologies. The company, adhering to the purpose of "innovative development, respect for products, respect for partners", advocates the spirit of being responsible for customers, consumers, employees, and social limits, and sincerely hopes to work together with friends from all walks of life to create a future.

About OKCELL



OKCELL is a professional brand of ZENFON Technology Co., Ltd., which focuses on the UAV power supply system and provides comprehensive solutions covering intelligent batteries, intelligent chargers and special chargers for UAV ground stations. The product adopts high-precision acquisition modules and advanced communication systems, seamlessly integrated with the flight control system, significantly improving the power efficiency and safety of the aircraft. Intelligent battery has precise sensing function, providing stable and lasting power support; The charger extends battery life and optimizes charging cycles through a fast and safe charging process.

In addition, OKCELL has also developed a dedicated mobile phone application to realize remote real-time monitoring of battery status, including key information such as power, temperature and charging. This feature not only enhances flight safety, but also helps users optimize flight planning and battery management, ensuring optimal performance for each flight. With innovative technology and high-quality products, OKCELL provides reliable and efficient power solutions for UAV users to improve the safety and convenience of flight experience.

About QIANSON



QIANSON is a leading brand in the field of energy storage power stations, focusing on providing comprehensive energy storage solutions, covering the construction of a large energy storage system from UAV battery power supply, to meet the energy storage and management needs of families, businesses, industries and other fields. By integrating advanced battery management system, high-efficiency charge and discharge control technology and intelligent energy management platform, QIANSON's energy storage system ensures the stability of power supply and optimization of energy utilization efficiency.

In the context of the rapid development of renewable energy, QIANSON actively promotes the application of clean energy and technological innovation. Its energy storage solution supports the efficient utilization of solar energy and provides strong guarantees for grid stability, helping to build a green and sustainable future energy system.

ZENFON PRODUCT MATRIX



The product matrix is centered around modular energy solutions and covers three major areas: industry drones provide stepped battery packs (12S/14S/18S series) with energy densities of 270–320Wh/kg, compatible with dual fast charging devices; Agricultural UAVs are equipped with intelligent batteries and special chargers based on 16L to 50L load classification, and a 100V high-voltage platform is launched to meet high-intensity operations; The mobile energy storage system includes a portable QX3600, a plant protection specific QS1340, and a 32kW · h industrial power station, compatible with a full range of charging equipment. Through flexible combination and intelligent adaptation, the full scene efficient energy support from air operations to ground power supply is realized.

Industry drone energy density ladder

270Wh/kg	290Wh/kg	300Wh/kg	320Wh/kg
12S27AH	12S22AH	12S24AH	12S31AH
14S27AH	14S22AH	14S24AH	14S31AH
18S27AH	18S22AH	18S24AH	18S31AH

Agricultural drone power supply system

16L load capacity	12S16AH Smart Battery	6025 Dual channel charger	
20L load capacity	12S22AH Smart Battery	6025P Dual channel charger	6055P Dual channel charger
	14S20AH Smart Battery	6025P Dual channel charger	6055P Dual channel charger
30L load capacity	14S28AH Smart Battery	6055P Dual channel charger	
	5C-14S30AH Fast charging battery	6055P Dual channel charger	8080P Dual channel charger
50L load capacity	5C-18S30AH快充电池	8080P Dual channel charger	Air cooled charger
100V Voltage platform	24S22AH Smart Battery	Air cooled charger	

QIANSON Mobile energy storage power station

QX3600 Portable mobile energy storage	QS1340Special energy storage charge for plant protection	32kW · hIndustrial mobile energy storage power station
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The energy storage power station can be matched with ZENFON's full series of product chargers to charge the products

Industry UAV Semi-solid-state flexible battery

model	Nominal voltage	Rated capacity	energy density	size(mm)	weight
12S22AH	3.7V	976.8Wh	290Wh/kg	128*96*208	3.9Kg
12S24AH	3.7V	1065.6Wh	300Wh/kg	133*96*208	4.3Kg
12S27AH	3.7V	1198.8Wh	270Wh/kg	128*96*222	5Kg
12S31AH	3.6V	1339.2Wh	320Wh/kg	128*96*222	4.9Kg
12S35AH	3.6V	1512Wh	320Wh/kg	128*96*222	5.3Kg
12S40AH	3.6V	1728Wh	320Wh/kg	151*96*227	6Kg
14S22AH	3.7V	1139.6Wh	290Wh/kg	147*96*208	4.5Kg
14S24AH	3.7V	1243.2Wh	300Wh/kg	155*96*208	5Kg
14S27AH	3.7V	1398.6Wh	270Wh/kg	140*96*222	5.7Kg
14S31AH	3.6V	1562.4Wh	320Wh/kg	147*96*222	5.7Kg
14S35AH	3.6V	1764Wh	320Wh/kg	149*96*222	6.2Kg
14S40AH	3.6V	2016Wh	320Wh/kg	176*96*227	6.9Kg
18S22AH	3.7V	1465.2Wh	290Wh/kg	187*96*208	5.8Kg
18S24AH	3.7V	1598.4Wh	300Wh/kg	199*96*208	6.3Kg
18S27AH	3.7V	1798.2Wh	270Wh/kg	180*96*222	7.3Kg
18S31AH	3.6V	2008.8Wh	320Wh/kg	187*96*222	7.3Kg
18S35AH	3.6V	2268Wh	320Wh/kg	191*96*222	8Kg
18S40AH	3.6V	2592Wh	320Wh/kg	226*96*227	9Kg



UAV 5C fast charging battery



UAV 5C fast charging battery 5C-18S30AH

Battery capacity	30000mAh
Nominal voltage	66.6V
Product Weight	14.5Kg
Product Size	332*128*275(mm)



It supports flight control of UAVs related to Jiyi, Weike and BOYING. It can be matched with SPOWER mobile APP for real-time monitoring data. It is suggested to be matched with 8080P/air-cooled charger for charging

UAV 5C fast charging battery 5C-14S30AH

Battery capacity	30000mAh
Nominal voltage	51.8V
Product Weight	11Kg
Product Size	237*145*318(mm)



It supports flight control of UAVs related to Geely, Weike and BOYING. It can be matched with SPOWER mobile APP for real-time monitoring data. It is suggested to be matched with 8080P charger for charging

UAV intelligent battery
12S16AH

Battery capacity	16000mAh
Nominal voltage	44.4V
Product Weight	4.6Kg
Product Size	163*91*218(mm)



It supports flight control of UAVs related to Geely, Weike and BOYING. It can be matched with SPOWER mobile APP for real-time monitoring data. It is suggested to be matched with 6025 charger for charging

UAV intelligent battery
14S28AH

Battery capacity	28000mAh
Nominal voltage	51.8V
Product Weight	8.3Kg
Product Size	175*111*285(mm)



It supports flight control of UAVs related to Geely, Weike and BOYING. It can be matched with SPOWER mobile APP for real-time monitoring data. It is suggested to be matched with 6055P charger for charging



UAV intelligent battery
12S22AH

Battery capacity	22000mAh
Nominal voltage	44.4V
Product Weight	6.5Kg
Product Size	173*111*245(mm)

It supports flight control of UAVs related to Geely, Weike and BOYING. It can be matched with SPOWER mobile APP for real-time monitoring data. It is suggested to be matched with 6025P charger for charging



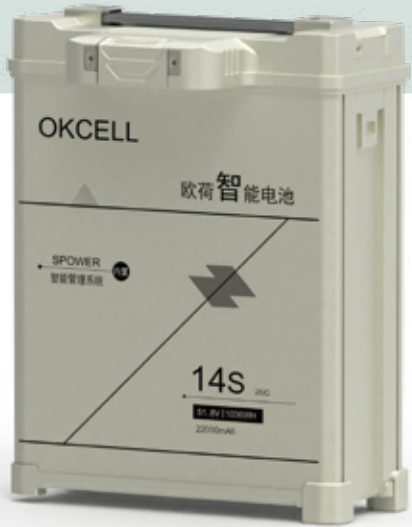
UAV intelligent battery
14S20AH

Battery capacity	20000mAh
Nominal voltage	51.8V
Product Weight	6.5Kg
Product Size	173*111*245(mm)

It supports flight control of UAVs related to Geely, Weike and BOYING. It can be matched with SPOWER mobile APP for real-time monitoring data. It is suggested to be matched with 6055P charger for charging

Unplug battery of UAV
14S22AH

Battery capacity	22000mAh
Nominal voltage	51.8V
Product Weight	6.5Kg
Product Size	238*138*281(mm)



It supports flight control of UAVs related to Geely, Weike and BOYING. It can be matched with SPOWER mobile APP for real-time monitoring data. It is suggested to be matched with 6055P charger for charging

UAV intelligent battery
12S27AH

Battery capacity	27000mAh
Nominal voltage	44.4V
Product Weight	5.2Kg
Product Size	240*100*135(mm)



Supporting flight control of UAVs related to Geely, Weike and BOYING, and real-time monitoring data with SPOWER mobile APP



Unplug battery of UAV
14S28AH

Battery capacity	28000mAh
Nominal voltage	51.8V
Product Weight	8.7Kg
Product Size	238*138*322(mm)

It supports flight control of UAVs related to Geely, Weike and BOYING. It can be matched with SPOWER mobile APP for real-time monitoring data. It is suggested to be matched with 6055P charger for charging



UAV smart battery
14S30AH/35AH

Battery capacity	30000mAh
Nominal voltage	51.8V
Product Weight	6.5Kg
Product Size	176*102*228(mm)

Supporting flight control of UAVs related to Geely, Weike and BOYING, and real-time monitoring data with SPOWER mobile APP

UAV smart battery and battery charger



UAV digital battery 6S16AH

Battery capacity	16000mAh
Nominal voltage	22.2V
Product Weight	2.2Kg
Product Size	210*75*85(mm)



It supports flight control of UAVs related to Geely, Weike and BOYING. It can be matched with SPOWER mobile APP for real-time monitoring data. It is suggested to be matched with 6025 charger for charging

Two-way intelligent charger 6025P

Charging power	1200W*2(Max)
Product Weight	6Kg
Product Size	353*145*195(mm)



It can adapt to 6S and 12S related UAV battery products, support two-way charging at the same time, and maximize the use efficiency of UAV intelligent battery/flexible battery



Two-way intelligent charger 6025

Charging power	1200W*2
Product Weight	6Kg
Product Size	353*195*145(mm)

It can adapt to 12S and 14S related UAV battery products, support two-way charging at the same time, and maximize the use efficiency of UAV intelligent battery/flexible battery



Two-way intelligent charger 6055P

Charging power	3000W(Max)
Product Weight	6Kg
Product Size	145*340*195(mm)

It can adapt to 12S and 14S related UAV battery products, support two-way charging at the same time, and maximize the use efficiency of UAV intelligent battery/flexible battery

Two-way intelligent charger
8080P

Charging power	6000W(Max)
Product Weight	10Kg
Product Size	400*210*256(mm)



It can adapt to the relevant UAV battery products of 5C fast charge, support dual charging at the same time, and maximize the use efficiency of the 5C super fast charge battery

Two-way air-cooled intelligent charger
New products

Charging power	7000W
Product Weight	24.9Kg
Product Size	440*417*344(mm)



It can adapt to the relevant UAV battery products of 18S plug and unplug and 24S plug and unplug, support two-way charging at the same time, and maximize the use efficiency of plug and unplug batteries



Two-way intelligent charger
8080S

Charging power	6000W(Max)
Product Weight	10Kg
Product Size	400*210*256(mm)

It can adapt to the relevant UAV battery products of 5C fast charge, support dual charging at the same time, and maximize the use efficiency of the 5C super fast charge battery



Industry battery charger
JIZHAO 3000

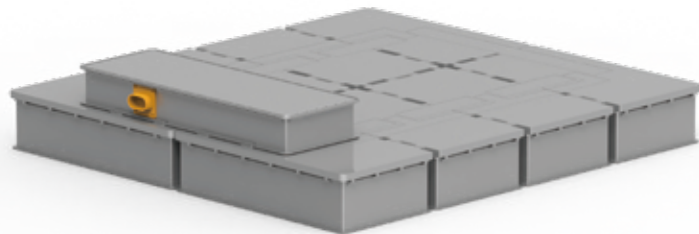
Charging power	3000W(Max)
Product Weight	2.8kg
Product Size	337*147*59(mm)

Industry flexible battery charger, light weight, portable, ultra-high power, can be matched with flexible battery, 14S30AH, 12S27AH industry smart battery

EVTOL-800V Battery Pack

New products

Battery capacity	62000mAh
Nominal voltage	710.4V
Rated capacity	44.044kWh
Product Size	1075*1000*215(mm)



The brand new EVTOL (electric vertical take-off and landing aircraft) battery pack was launched. Chocolate modular design can be flexibly built into 200V, 400V, 800V and other voltage platforms. Multiple redundancy design, in-flight state monitoring, intelligent parallel charging and discharging, autonomous fault diagnosis, self-developed temperature control algorithm, compatible with GB charging pile. Support customization and welcome consultation

QIANSON Industrial Mobile Energy Storage Power Station

32kWh

电池容量	32kWh
放电功率	15kW(Max)
产品重量	290Kg



Extra power of 32 degrees, more suitable for industrial power consumption, multiple sockets and plug-in battery pack, flexible and suitable for the whole scene, full link power supply demand



QIANSON Portable Mobile Energy Storage Power Station

QX3600

Total electric energy	3.6kWh
Discharge power	3.2kW(Max)
Product Weight	23Kg
Product Size	449*238*336(mm)

Lightweight portable energy storage power station, split battery pack design, independent power supply by plugging and unplugging at any time, mobile APP one-button remote monitoring



Special energy storage charge for plant protection of QIANSON

QS1340

Total electric energy	13.4kWh
Discharge power(AC)	AC 2kW(Max)
Discharge power(DC)	DC 10kW(Max)
Product Weight	130.5Kg
Product Size	980*485*231(mm)

The special energy storage product for plant protection can be matched with relevant accessories to complete the direct charging of intelligent battery for plant protection UAV, and the cascade package can be added to meet the power supply demand of relevant plant protection