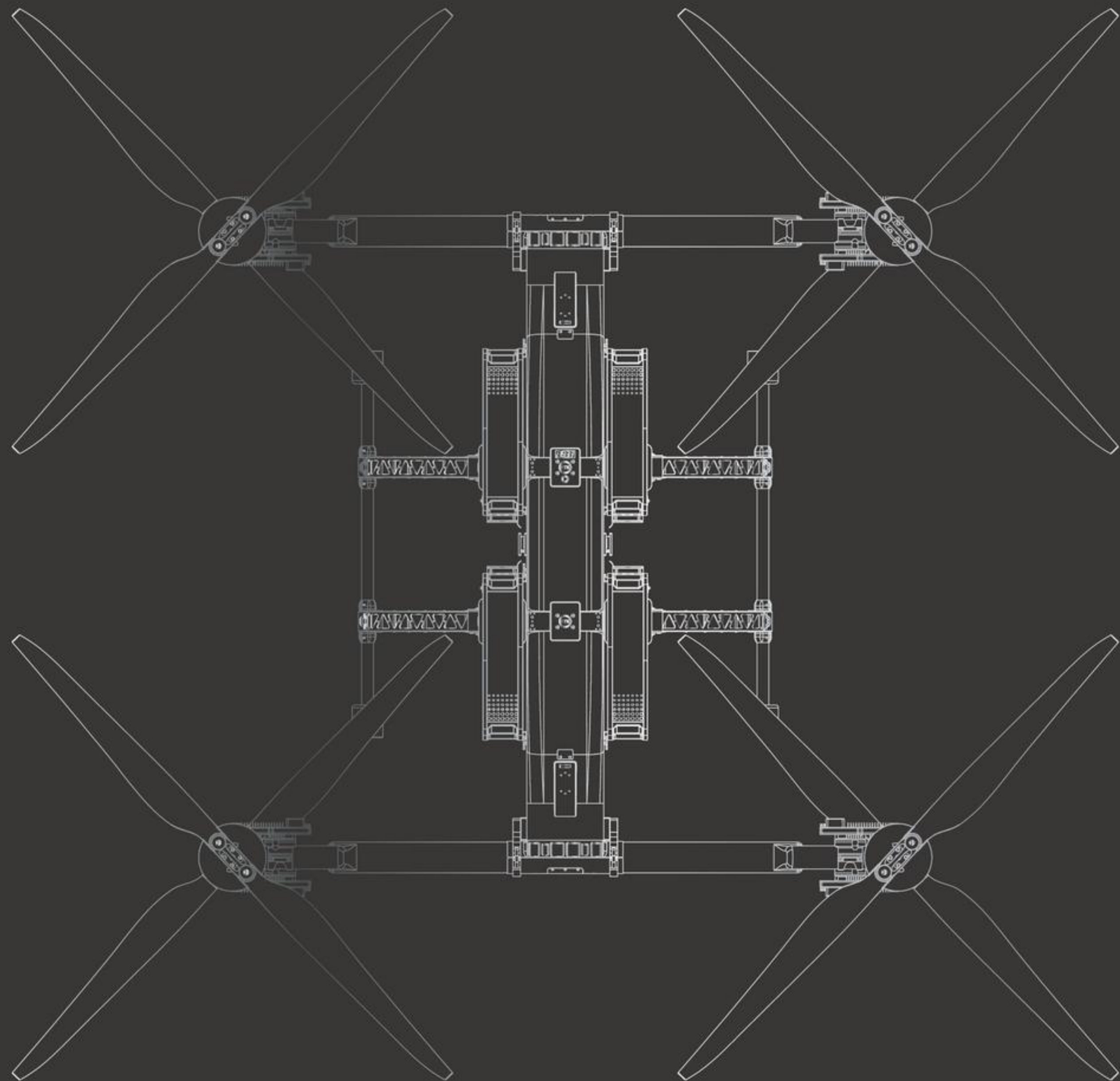




FOCUS ON AIRCRAFT
DEVELOPMENT DESIGN
& INTEGRATION
SOLUTIONS

专注于无人机研发设计和集成化解决方案

中航通创新(天津)科技发展有限公司
ZHT Technology Co., Ltd.



主营业务 MAIN BUSINESS

■ 飞行器研发

我们不仅是供应商，更是共创伙伴。凭借深度的飞行器定制开发能力，我们助力您的专属使命与愿景翱翔天际。

Aircraft Development

We are far more than a supplier — we are your co-creation partner. Backed by our in-depth customized aircraft development expertise, we empower your unique missions and visions to soar skyward.

■ 机架 & PNP & 整机集成

自主研发模块化飞行平台，载荷覆盖8-300公斤，续航范围7-160分钟，为多元化应用场景提供全栈式解决方案。

我们更提供从零部件到起飞、售后、维护的全流程技术支援，始终是您可靠的坚实后盾。ZHT飞行平台深度整合超过30余种任务载荷，开箱即用，即刻投入作业。

Frame & PNP & Complete Integration

Self-developed modular flight platform features a payload range of 8-300 kg and an endurance of 7-160 minutes, delivering full-stack solutions for diversified application scenarios.

We also provide end-to-end technical support ranging from components supply, flight launch to after-sales service and maintenance, always standing as your reliable and solid backing. ZHT flight platforms are deeply integrated with over 30 types of mission payloads, plug-and-play and ready for immediate operation.

■ 自研电源模块

覆盖60V 至120V分电模块及120V/400V 800V 超高压平台缓启动，PCSS缓启动开关最高持续过流能力可达600A，有效杜绝高压打火风险。多路冗余安全架构：支持飞控双路/多路备份供电，同时还可给常规5V、12V、24V设备供电。从动力之源到微小载荷，为无人机全场景作业构筑起更纯净、更稳定、更具冗余保障的能量底座。

Self-developed Power Module

Covering 60V to 120V power distribution modules and 120V/400V 800V ultra-high voltage platform soft start. The PCSS soft-start switch features a maximum continuous overcurrent capacity of up to 600A, effectively eliminating the risk of high-voltage arcing. Adopting a multi-channel redundant safety architecture, it supports dual/multi-channel backup power supply for flight controllers, while also supplying power to conventional 5V, 12V and 24V devices. From core power sources to miniature payloads, it builds a purer, more stable and redundantly secured energy foundation for full-scenario UAV operations.

■ 高能量倍率电池

中航通新款无人机动力电池组面向低空经济多场景应用打造，覆盖3S-28S、1P/2P多规格组合，容量13Ah-82Ah，能量最高约8.04kWh。产品提供高比能、高倍率、超高比能、高安全四大系列，兼顾长航时、高功率输出、快补能与稳定寿命，可广泛适配物流运输、巡检测绘、农林植保、应急救援及工业作业等无人机平台。

High-energy High-rate Battery

ZHT's new UAV power battery packs are designed for diverse low-altitude economy applications. Covering 3S-28S configurations with 1P/2P options, capacities from 13Ah to 82Ah, and energy up to approximately 8.04kWh, the series offers high-energy, high-rate, ultra-high-energy, and high-safety options. It supports long endurance, high power output, fast replenishment, and stable service life for logistics, inspection, mapping, agriculture, emergency response, and industrial UAV platforms.

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03 PART

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02 PART

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企业简介

COMPANY PROFILE

中航通创新（天津）科技发展有限公司成立于2018年，坐落于天津市津南区天津大学创新研究院，是一家集无人机研发、设计、制造、维护于一体的科技型高新技术企业。作为源头制造商，ZHT拥有配套完善的生产车间、仓库及专业的研发技术团队，具有多项技术专利及商标。从无人机的研发、生产、组装到质检，ZHT已建立全流程的生产管理体系，有着行业领先的供应链整合及整机制造能力，同时可为用户提供ODM、OEM服务。

一直以来，ZHT专注于无人机研发设计和集成化解决方案，且从未停止创新的步伐，不断推陈出新。ZHT自主研发的KEEL系列模块化无人机、NAGA系列轻量化无人机等产品，因模块化及长航时等先进性能，深受用户的认可和好评，产品被广泛应用于物流运输、海岸巡检、地理测绘、应急安全等领域。同时，ZHT已与天津大学、中国民航大学等著名高校开展广泛深入的合作，为各大高校培训人才。

ZHT Technology Co., Ltd. was founded in 2018, located in the Innovation Research Institute of Tianjin University, Jinnan District, Tianjin, China. It is a new high-tech enterprise integrating drones R&D, design, manufacturing and maintenance. As the source manufacturer, ZHT has well-equipped production workshops, warehouses, and a professional R&D technical team, with a number of technical patents and trademarks. From the research and development, production, assembly to quality inspection, ZHT has established a full-process production management system, with industry-leading supply chain integration and complete RTF manufacturing capabilities, and can provide users with ODM and OEM services.

For a long time, ZHT has been dedicated to the R&D and design of drones as well as integrated solution provision, and has never ceased its pace of innovation with continuous iteration and upgrading of products. Independently developed by ZHT, products including the KEEL series modular drones and NAGA series lightweight drones have gained wide recognition and high praise from users thanks to their outstanding advantages such as modular design and long endurance. These products are extensively applied in fields including logistics transportation, coastal patrol inspection, geographic mapping, emergency security and more. Meanwhile, ZHT has established extensive and in-depth cooperation with renowned universities such as Tianjin University and Civil Aviation University of China, and provides professional talent training services for major higher education institutions.

2017

OWLING

六旋翼混合行业无人机
Six-rotor hybrid industrial drone



2019

USV无人船

数据采集和污染检测功能
Data collection and pollution detection



2022

KEEL

10KG

模块化长航时无人机
Modular long endurance drone



2021

NAGA X8

长航时共轴无人机
Long endurance coaxial quadcopter



2018

GRIFFIN

油电混合行业无人机
Oil-electric hybrid industrial drone



2020

NAGA X4

轻量化四旋翼无人机
Lightweight quadcopter



**INNOVATION
NEVER ENDS**

2024

KEEL PLUS

30KG

模块化30公斤级物流无人机
Modular 30kg class delivery drone



KEEL PRO

70KG

模块化30-70公斤级物流无人机
Modular 30-70kg class delivery drone



2025

KEEL MAX

200KG

模块化100-200公斤级物流无人机
Modular 100-200kg class delivery drone



2023

KEEL MINI 8KG

模块化小型竞速无人机
Modular small racing drone



2026

**300KG 公斤级
高压飞行平台**

**300KG CLASS
HIGH-VOLTAGE
FLIGHT PLATFORM**





▲ 参加世界智能产业博览会并接受央视新闻采访。

Participated in the World Intelligent Industry Expo.
And was interviewed by CCTV News.



▲ 参加北京市低空经济产业暨无人机专项需求对接会

Participating in the Beijing Low-Altitude Economy Industry and
UAV Special Demand Matching Conference.



▲ 参加肇庆市低空经济发展推介会。

Participated in Zhaoqing low-altitude economic development
promotion meeting.

交流互鉴

COMMUNICATION

自公司成立以来，ZHT始终以“创新共赢”作为可持续发展的
基本理念，多次参加国内外展会、论坛会议等交流互鉴活动，
与世界深度对话，不断驱动创新。

Since its establishment, ZHT has always regarded "innovation and win-win cooperation" as the fundamen-
tal concept for sustainable development. It has participated in numerous domestic and international
exhibitions, forums, and other exchange and learning activities, engaging in in-depth dialogues with the
world and continuously driving innovation.





▲ 参加韩国釜山无人机展。
Participated in the Drone Show Korea.



▲ 参加欧洲无人机系统展览会。
Participated in the XPONENTIAL Europe 2025.



▲ 参加土耳其防务展览会。
Participated in the Turkish Defense Exhibition.



▲ 参加阿联酋阿布扎比无人系统展。
Participate in the United Arab Emirates Abu Dhabi UMX.



▲ 参加深圳国际无人机展览会。
Participate in the Shenzhen International UAV Expo.



▲ 参加港珠澳高校科技成果投资交易大会
Participated in the Hong Kong-Zhuhai-Macao University Science and Technology Achievements Investment and Trading Conference.

KEEL Series · { Modular Long-endurance Drone }

KEEL龙骨系列 · { 模块化长航时无人机 }



KEEL (H)
TYPE

Ultra-long-endurance Industrial-grade Modular Drone

KEEL Quadcopter <<

超长续航工业级模块化无人机

超长续航

采用46950大圆柱电池，空载续航提升至160分钟，2kg负载下首次突破100分钟，搭载常规吊舱（1-1.3kg）可连续作业90-120分钟，作业半径与效率远超同级机型，为行业前列。



Extremely Long Endurance

Powered by 46950 large cylindrical batteries, the UAV achieves a no-load endurance of 160 minutes. Its flight time exceeds 100 minutes for the first time under a 2 kg payload. Equipped with a standard 1-1.3 kg gimbal it supports 90-120 minutes of continuous operation. Boasting superior operational radius and efficiency over peer models, it ranks among the industry's leading level.

广泛适配

6个设备接口，支持30余种载荷的即插即用，包括吊舱、喊话器、送货箱等，真正做到了一机多能，适用于巡检、救援、物流、测绘、探测等多场景高效作业。



Widely Compatible

The KEEL is equipped with 6 equipment interfaces and supports plug-and-play for over 30 payloads, including gimbals, loudspeakers and delivery containers. Truly versatile in one unit, it delivers efficient operations for inspection, rescue, logistics, mapping and detection scenarios.

极速部署

凭借创新的快拆结构与轻量化打造，实现了卓越的机动性与超长续航能力，单人可在60秒内完成免工具整机组装，极大提升外场作业效率。



Rapid Deployment

Featuring an innovative quick-release structure and lightweight design, it delivers outstanding maneuverability and ultra-long endurance. A single operator can complete tool-free full assembly in just 60 seconds, greatly improving field operation efficiency.

型号 Model

KEEL

对称轴距 Max. Symmetric Wheelbase

1250 mm

空机重量 Weight

4 kg (*无电池) (excl. battery) 10 kg (*含双电) (incl. battery * 2 pcs)

展开尺寸 Deployed Dimensions

1700 mm × 1700 mm × 540 mm
(桨叶展开) (Propeller deployment)

拆卸尺寸 Disassembled Dimensions

1010 mm × 1010 mm × 150 mm
(桨叶和起落架拆卸) (Propeller & landing gear disassembly)

最大载重 Max. Loading Capacity

10 kg

最大起飞重量 Max. Takeoff Weight

20 kg

负载航时
Endurance

经典版 7S 28000mAh双电池组

Classic Version 7S 28000mAh Dual Battery Pack

≤120 min @ Without payload
≤90 min @ 1.3 kg
≤60 min @ 5 kg
≤30 min @ 10 kg

探索版 7S 37500mAh双电池组

Exploration Version 7S 37500mAh Dual Battery Pack

≤160 min @ Without payload
≤104 min @ 2 kg
≤70 min @ 5 kg
≤35 min @ 10 kg

最大上升速度
Max. Ascent Speed

10 m/s (≤ 3 kg payload)

最大旋转角速度
Max. Angular Velocity

150°/s

最大下降速度
Max. Descent Speed

7 m/s (≤ 3 kg payload)

最大飞行海拔高度
Max. Flight Altitude

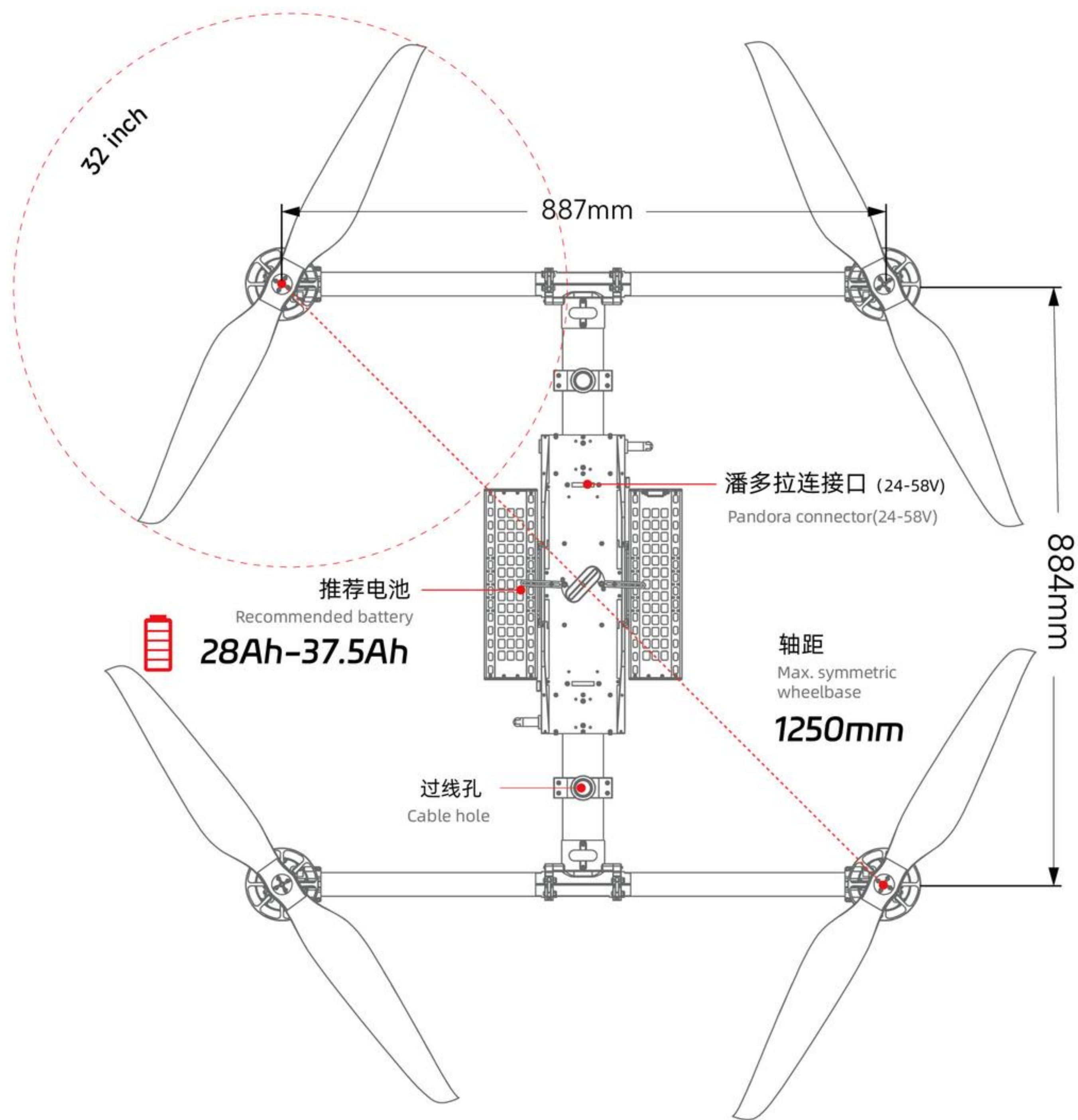
标配桨 ≤ 3800 m; 高原桨 ≤ 7000 m
Standard propeller ≤ 3800 m; Plateau propeller ≤ 7000 m

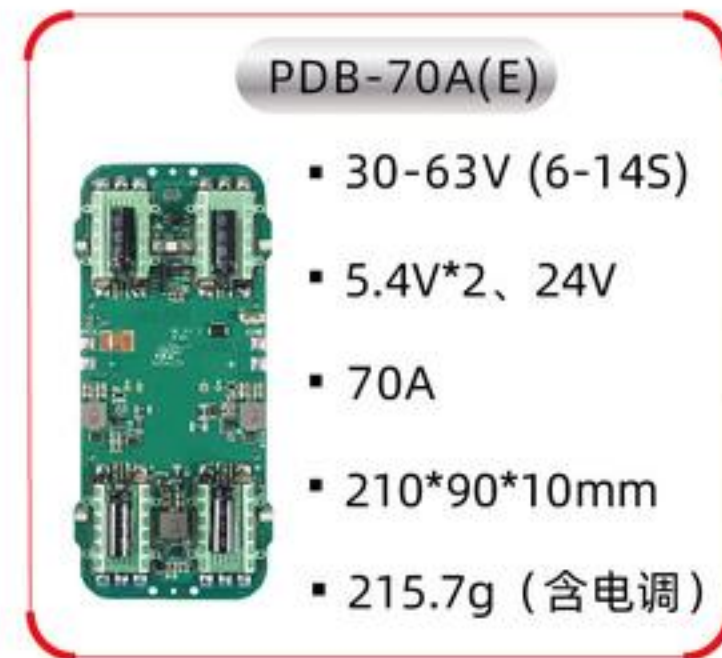
最大水平速度
Max. Horizontal Speed

30 m/s (*无风环境下，空载)
(*No wind, without payload)

最大可承受风速
Max. Wind Speed Resistance

12 m/s (6级风)
(Wind Force 6)





电池参数
Battery parameters

电池快拆结构
Battery quick-release

可选
Optional

龙爪快拆结构
Dragon claw
Quick-release arm

插拔式起落架 (高度可按照需求定制)
Landing gear plug-in/out
(Height customizable based on requirements)

潘多拉接口 (24-58V)
Pandora connector(24-58V)

军工级快拆桨叶
Military-grade
quick-release propeller

电池固定结构
Battery mounting
structure

天线
Antenna

装箱尺寸
Packing size

355mm

420mm

1150mm

KEEL Series • { Modular Long-endurance Drone }

KEEL龙骨系列 • { 模块化长航时无人机 }



KEEL MINI (H)
TYPE

8kg Small Racing Modular Drone

KEEL MINI Quadcopter <<

小型竞速模块化无人机

迅如疾风

瞬时速度可达 40m/s (144km/h)，配合其“竞速”基因，能够快速到达作业点，非常适合应急、紧急投送等时效性极强的任务。



Swift As The Wind

Reaching peak speeds of up to 40 m/s (144 km/h), its racing DNA ensures rapid deployment to mission sites—perfectly engineered for highly time-sensitive tasks like emergency response and urgent airdrops.

超长航时

耐久版空载续航高达100分钟，即便在挂载3kg负载的情况下也能持续飞行60分钟。这在同级别四旋翼中属于顶尖水平，极大地提高了单次作业覆盖面积。



Ultra-Long Endurance

The Endurance Edition achieves a staggering 100-minute flight time (empty) and remains operational for 60 minutes with a 3kg payload. Leading the quadcopter class, it significantly maximizes operational coverage per mission.

紧凑小巧

采用模块化设计，直径2米空间即可安全起降。装箱体积小，便于单人携带或小型车辆转运。部署无需工具。



Compact & Portable

Featuring a modular design, it enables safe takeoff and landing within a 2-meter diameter space. Its minimal packed volume allows for single-person portability or transport via small vehicles, with tool-less deployment for rapid setup.

型号 Model

KEEL MINI

对称轴距 Max. Symmetric Wheelbase 906 mm

空机重量 Weight 3.5 kg (*无电池) (excl. battery) 7.8 kg (*含双电) (incl. battery * 2 pcs)

展开尺寸 Deployed Dimensions 1269 mm × 1133 mm × 514 mm
(桨叶展开) (Propeller deployment)

拆卸尺寸 Disassembled Dimensions 777 mm × 647 mm × 214 mm
(桨叶折叠, 起落架拆卸) (Propeller folding & landing gear disassembly)

最大载重 Max. Loading Capacity 8 kg

最大起飞重量 Max. Takeoff Weight 16 kg

负载航时 Endurance

标准版 7S 19200mAh双电池组

Standard Version 7S 19200mAh Dual Battery Pack

≤70 min @ Without payload
≤40 min @ 3 kg
≤30 min @ 5 kg
≤17 min @ 8 kg

耐力版 7S 37500mAh双电池组

Endurance Version 7S 37500mAh Dual Battery Pack

≤100 min @ Without payload
≤60 min @ 3 kg
≤40 min @ 6 kg

最大上升速度 Max. Ascent Speed 5 m/s

最大下降速度 Max. Descent Speed 3 m/s

最大水平速度 Max. Horizontal Speed 40 m/s (*无风环境下, 空载)
(*No wind, without payload)

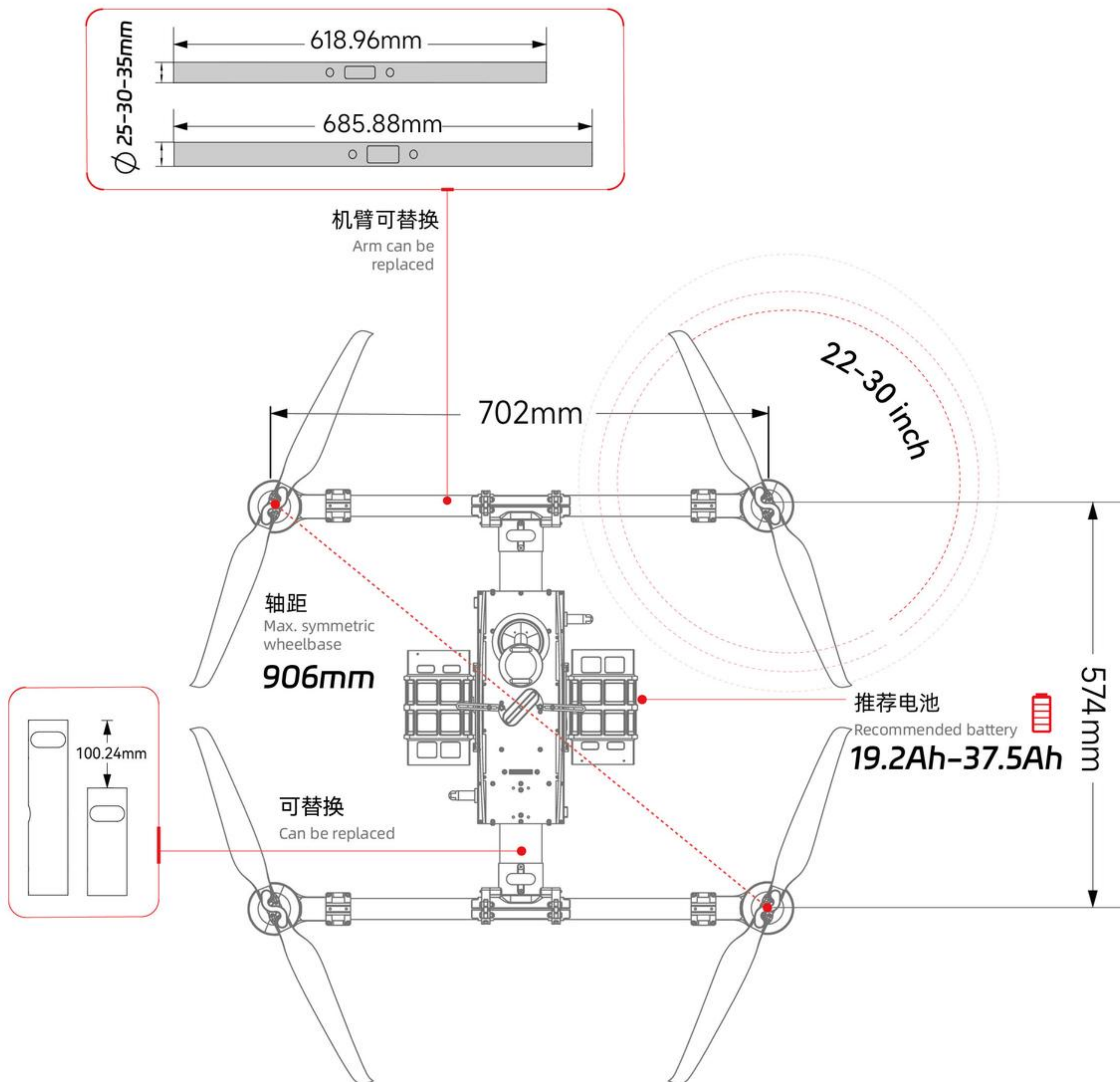
最大旋转角速度 Max. Angular Velocity 150°/s

最大飞行海拔高度 Max. Flight Altitude 标配桨 ≤ 3800 m; 高原桨 ≤ 7000 m
Standard propeller ≤ 3800 m; Plateau propeller ≤ 7000 m

最大可承受风速 Max. Wind Speed Resistance 12 m/s (6级风)
(Wind Force 6)

机架兼容多种电机型号

Frame compatible with multiple motor models



22 inch



X6 SE



H6M



50-X



6007-X



60-X



P-60

24 inch



X6-Plus



701-X

28-30 inch



XU8-X / U8II



P80-X



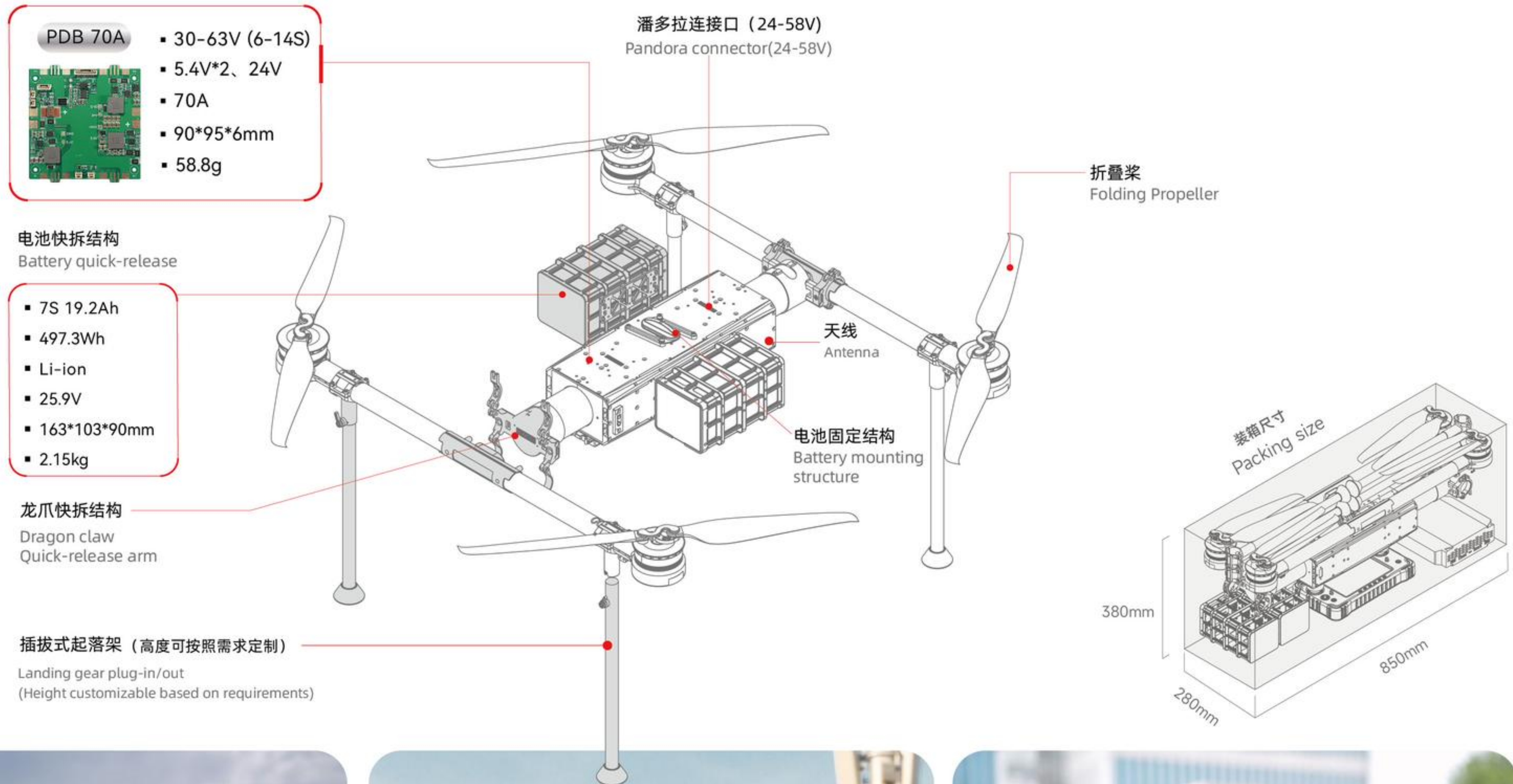
X8



H8M

KEEL MINI Quadcopter <<

小型竞速模块化无人机



KEEL Series • { Modular Long-endurance Drone }

KEEL龙骨系列 • { 模块化长航时无人机 }



KEEL PLUS

30kg Modular Industrial Drone

KEEL PLUS Quadcopter <<

重载旗舰 30KG 模块化无人机

重载旗舰

最大载重能力达到 30kg。实测在满载状态下，以18m/s巡航速度可达22分钟，长效待命，重载任务半径覆盖更广。



Heavy-lift Flagship

With a maximum payload capacity of 30kg, it delivers a verified 22-minute flight time at a 18m/s cruise speed under full payload. Designed for long-endurance standby and extended operational radius for heavy-duty missions.

无惧烈风

KEEL Plus能在恶劣的海边、山谷等强风环境下维持稳定飞行，从容应对极端天气挑战。



Fearless of fierce winds

KEEL Plus maintains stable flight even in harsh windy environments such as coastlines and mountain valleys, effortlessly tackling extreme weather conditions.

模块化设计

尽管轴距达到1379mm，但依然延续了模块化快拆、免工具部署的设计，极大缩短了从转运到起飞的准备时间，远超同级别效能。



Compact & Portable

Featuring a modular design, it enables safe takeoff and landing within a 2-meter diameter space. Its minimal packed volume allows for single-person portability or transport via small vehicles, with tool-less deployment for rapid setup.

型号 Model

KEEL PLUS (Ver. X9 Plus)

对称轴距 Max. Symmetric Wheelbase 1379 mm

空机重量 Weight 12 kg (*无电池) (excl. battery) 25 kg (*含四电) (incl. battery * 4 pcs)

展开尺寸 Deployed Dimensions 1900 mm × 1877 mm × 550 mm
(桨叶展开) (Propeller deployment)

拆卸尺寸 Disassembled Dimensions 1065mm × 1092 mm × 245 mm
(桨叶折叠，起落架拆卸) (Propeller folding & landing gear disassembly)

最大载重 Max. Loading Capacity 30 kg

最大起飞重量 Max. Takeoff Weight 56 kg

负载航时
Endurance

标准版 7S 37500mAh四电池组

Standard Version 7S 37500mAh Dual Battery Pack

≤56 min @ Without payload
≤50 min @ 10 kg
≤30 min @ 30 kg

最大上升速度
Max. Ascent Speed 5 m/s

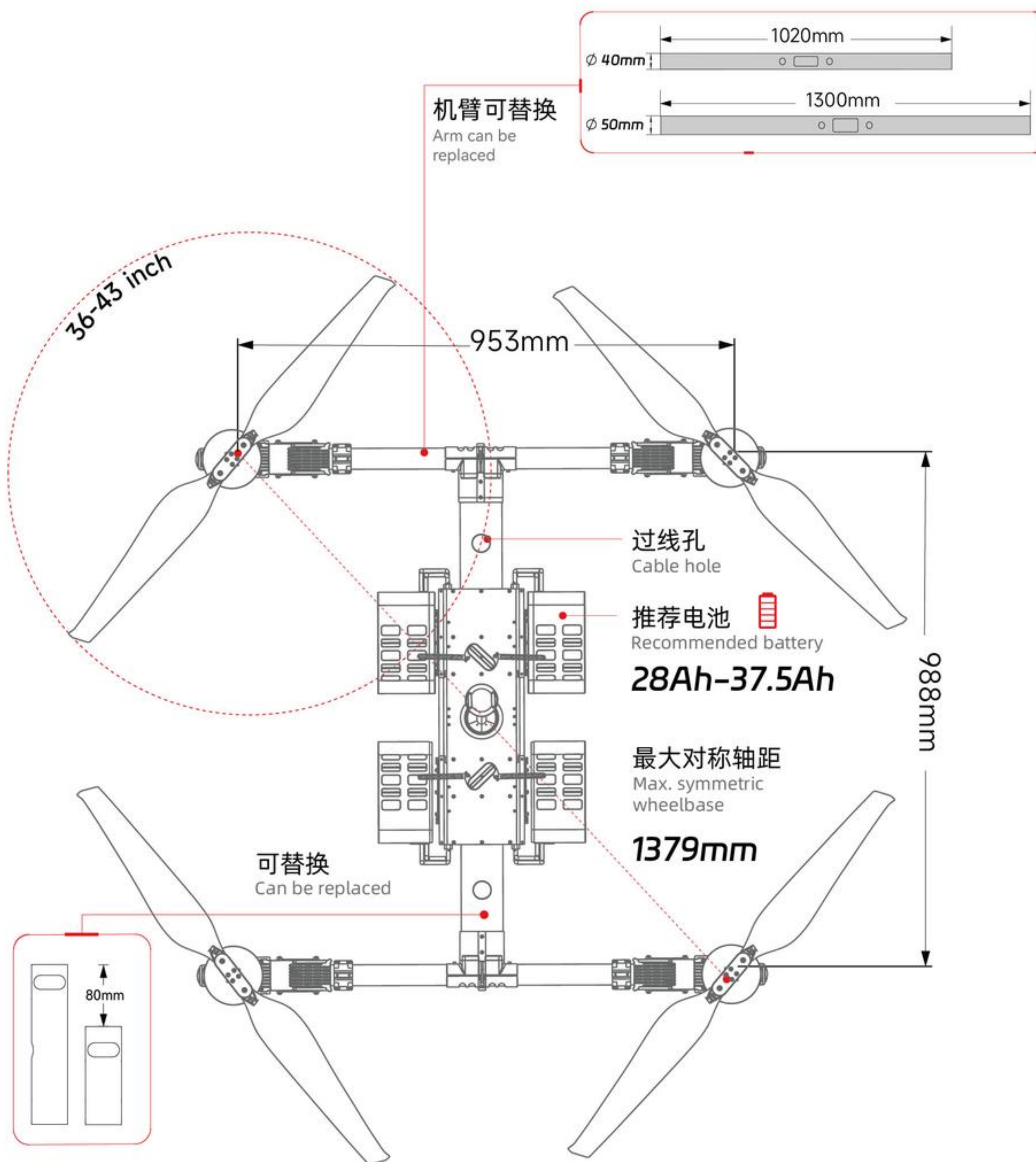
最大旋转角速度
Max. Angular Velocity 100°/s

最大下降速度
Max. Descent Speed 3 m/s

最大飞行海拔高度
Max. Flight Altitude 标配桨 ≤ 3800 m; 高原桨 ≤ 7000 m
Standard propeller ≤3800 m; Plateau propeller ≤7000 m

最大水平速度
Max. Horizontal Speed 18 m/s (*无风环境下，空载)
(*No wind, without payload)

最大可承受风速
Max. Wind Speed Resistance 12 m/s (6级风)
(Wind Force 6)



机架兼容多种电机型号

Frame compatible with multiple motor models

36 inch



A10L/A10XL



X9 PLUS



X9 G2L

41/43 inch



A12/A12L



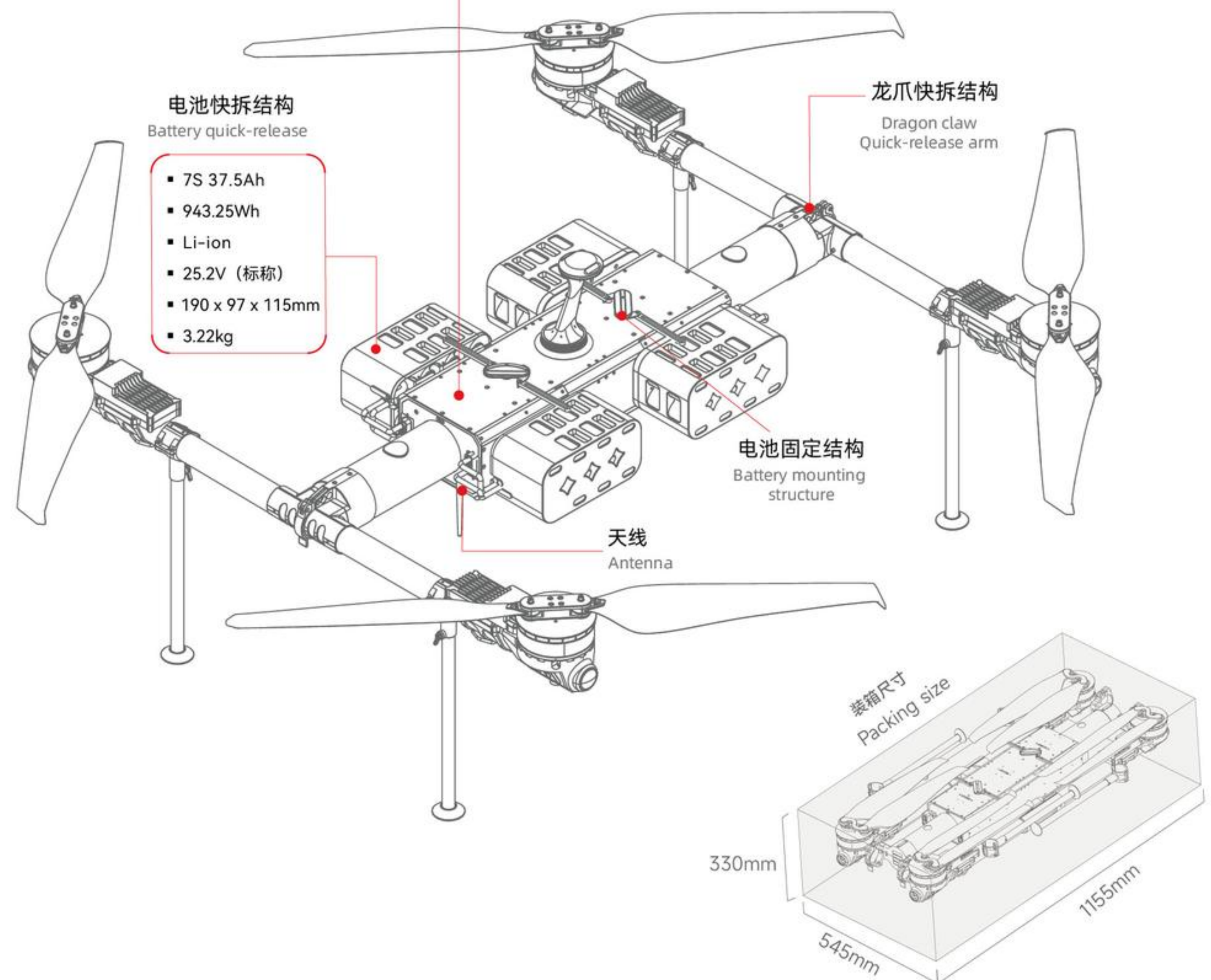
X9 Plus G2L



X11G2

KEEL PLUS Quadcopter <<

重载旗舰 30KG 模块化无人机



KEEL Series • { Modular Long-endurance Drone }

KEEL龙骨系列 • { 模块化长航时无人机 }



KEEL PRO (H) TYPE

30-70kg Modular Delivery Drone

KEEL PRO Coaxial Quadcopter <<

30-70KG 模块化运载无人机

强大负载

70kg最大载荷，打破轻量级束缚，专为重型工业任务而生。四轴八桨结构提供充沛动力冗余，确保重载飞行依然稳健如初。



Heavy Payload

With a maximum payload of 70kg, it breaks the shackles of the lightweight category and is specifically designed for heavy industrial tasks. The coaxial quadcopter structure provides abundant power redundancy, ensuring stable flight even under heavy loads.

瞬时部署

采用模块化快拆设计，拆卸后体积紧凑，免工具即可完成部署。极致的紧凑性让重型装备也能实现单兵级的快速流转与作业响应。



Instant Deployment

The modular quick-release design allows for tool-less setup and compact storage. This extreme portability enables rapid deployment and efficient logistics for heavy-duty operations.

安全冗余

信号链路采用 PWM+CAN 双重备份，飞控供电亦具备双路冗余系统。结合“缓启动”保护设计，有效杜绝上电打火风险，通过 CAN 总线实时监测电调状态，保障作业安全。



Safety Redundancy

Equipped with dual PWM+CAN signal backups and redundant flight controller power supplies. The "soft-start" design eliminates power-on sparking, while real-time ESC monitoring via CAN bus ensures every second of flight is protected.

型号 Model

KEEL PRO (Ver. A12XL)

对称轴距 Max. Symmetric Wheelbase 2100 mm

空机重量 Weight 35 kg (*无电池) (excl. battery) 70 kg (*含双电) (incl. battery * 2 pcs)

展开尺寸 Deployed Dimensions 2770 mm × 2680 mm × 705 mm
(桨叶展开) (Propeller deployment)

拆卸尺寸 Disassembled Dimensions 1675 mm × 1570 mm × 300mm
(桨叶折叠，起落架拆卸) (Propeller folding & landing gear disassembly)

最大载重 Max. Loading Capacity 70 kg

最大起飞重量 Max. Takeoff Weight 140 kg

负载航时
Endurance

18S 75000mAh 双电池组

18S 75000mAh Dual Battery Pack

≤70 min @ Without payload

≤33 min @ 40 kg

≤18 min @ 70 kg

最大上升速度
Max. Ascent Speed 5 m/s

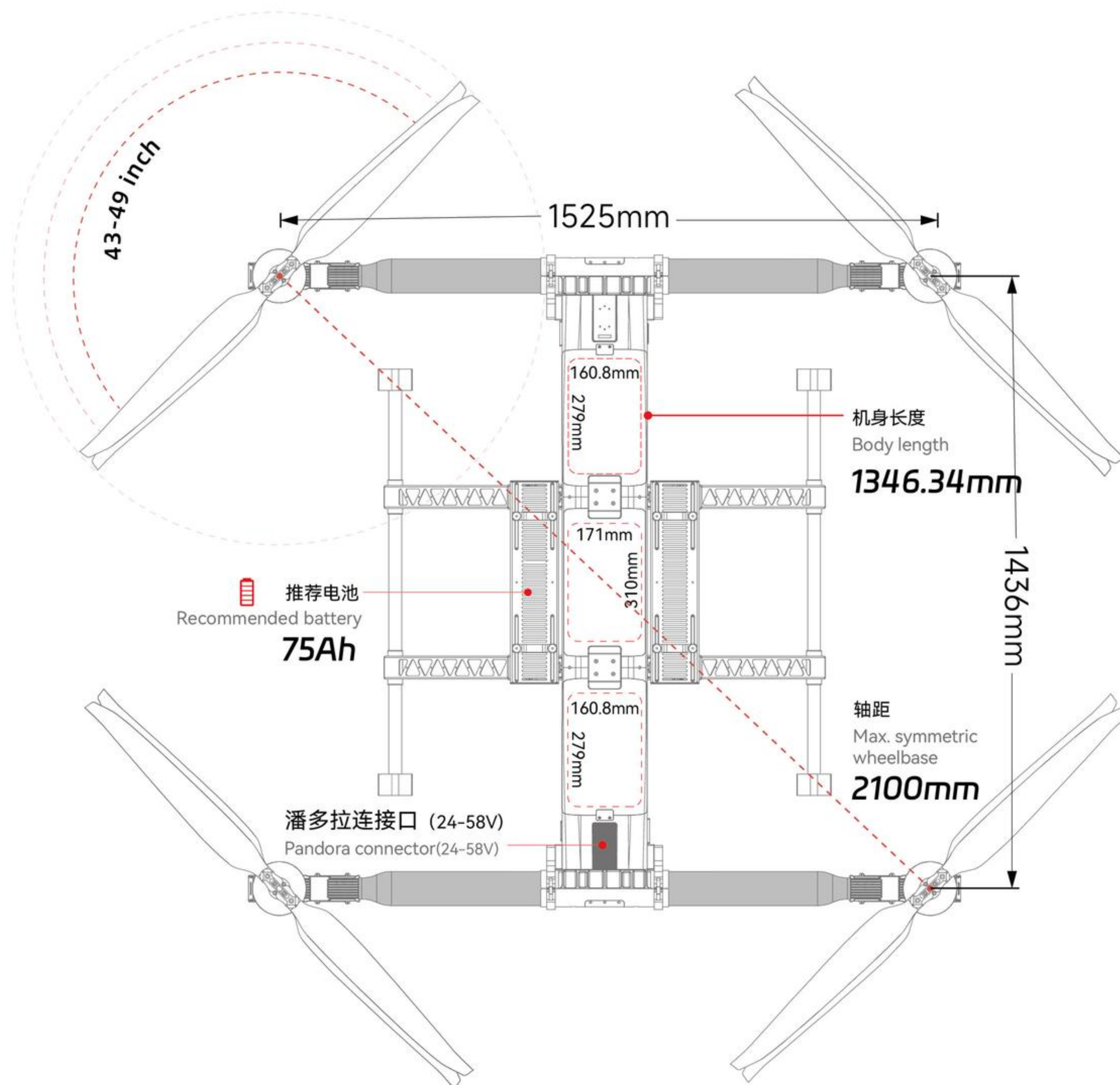
最大旋转角速度
Max. Angular Velocity 100°/s

最大下降速度
Max. Descent Speed 3 m/s

最大飞行海拔高度
Max. Flight Altitude 标配桨 ≤ 3800 m; 高原桨 ≤ 7000 m
Standard propeller ≤ 3800 m; Plateau propeller ≤ 7000 m

最大水平速度
Max. Horizontal Speed 18 m/s (*无风环境下，空载)
(*No wind, without payload)

最大可承受风速
Max. Wind Speed Resistance 12 m/s (6级风)
(Wind Force 6)



机架兼容多种电机型号

Frame compatible with multiple motor models

43-49inch



X11 Plus



X11 MAX



H11MD



A12XL

KEEL PRO Coaxial Quadcopter

30-70KG 模块化运载无人机



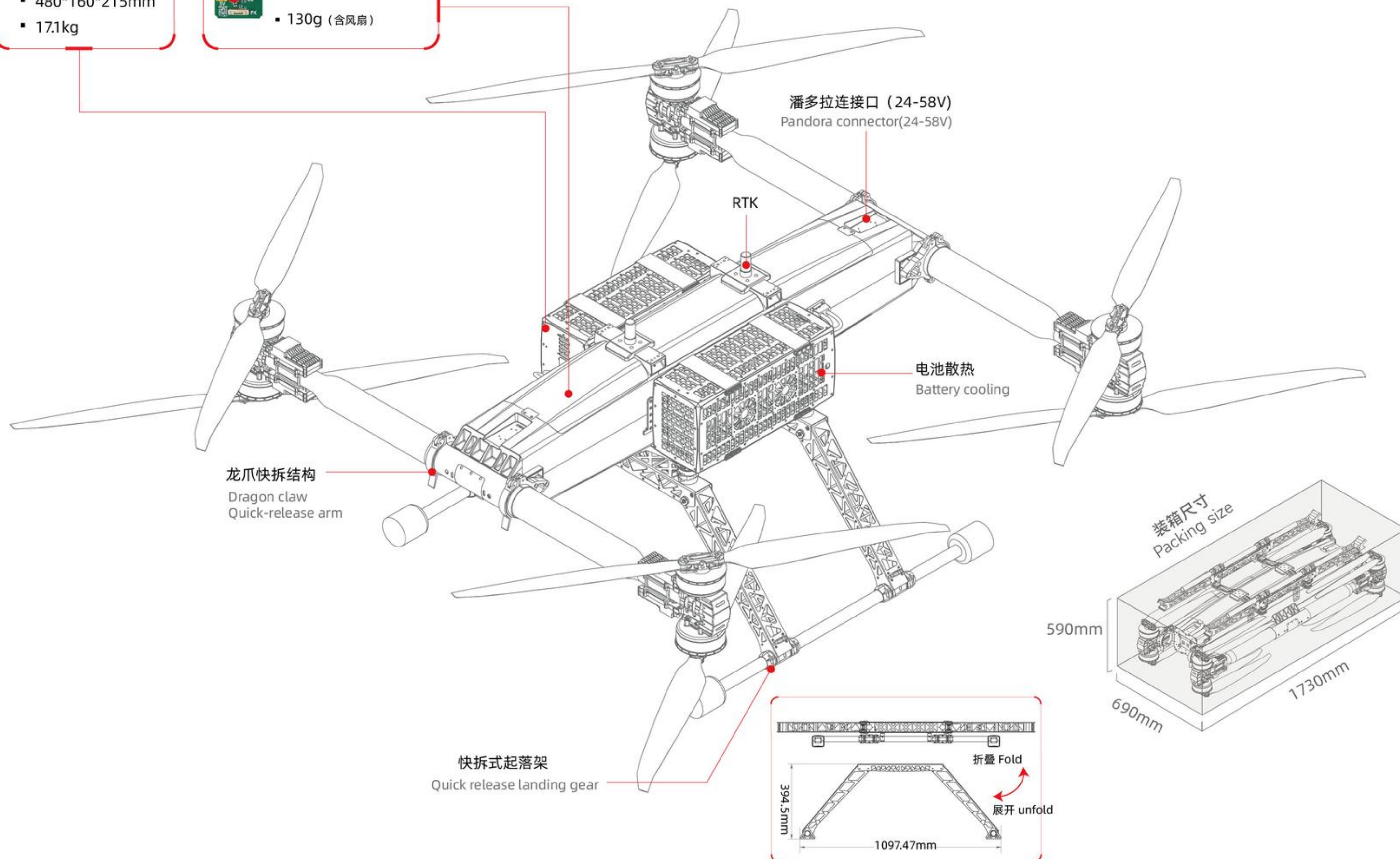
电池快拆结构 Battery quick-release

- 18S 75Ah
- 4851Wh
- 64.8V (标称)
- Li-ion
- 480*160*215mm
- 17.1kg

PDB 120V



- 36-120V(8-28S)
- 5V、12V、24V
- 2A持续(5A峰值60s)
- 130*44*43mm
- 130g (含风扇)



KEEL Series • { Modular Long-endurance Drone }

KEEL龙骨系列 • { 模块化长航时无人机 }



KEEL MAX (H) TYPE

100-200kg Modular Delivery Drone



起落架消防定制款
Custom landing gear

KEEL MAX Coaxial Quadcopter <<

100-200KG 模块化运载无人机

万钧负载

高达100-200kg超强载重，专为超大型设备运输、重型灭火、应急救援等极端负荷场景而生的“力量猛兽”。



Supreme Capacity

Engineering a massive 100-200kg payload range, KEEL Max is purpose-built for extreme load scenarios, including ultra-large equipment logistics, heavy-duty firefighting, and mission-critical emergency rescue.

集群流转

尽管具备巅峰性能，其模块化结构仍能实现紧凑收纳。一台普通面包车即可轻松装载 3-4 台 KEEL MAX，解决超大载重装备的运输痛点。



Swarm Logistics

Despite its peak performance, the modular structure allows for incredible storage efficiency. A standard van can carry 3-4 units of KEEL MAX, solving the logistics bottleneck for heavy equipment.

安全冗余

信号链路采用 PWM+CAN 双重备份，飞控供电亦具备双路冗余系统。结合“缓启动”保护设计，有效杜绝上电打火风险，通过 CAN 总线实时监测电调状态，保障作业安全。



Safety Redundancy

Equipped with dual PWM+CAN signal backups and redundant flight controller power supplies. The "soft-start" design eliminates power-on sparking, while real-time ESC monitoring via CAN bus ensures every second of flight is protected.

型号 Model

KEEL MAX (X-A16L)

对称轴距 Max. Symmetric Wheelbase 2373 mm

空机重量 Weight 80 kg (*无电池) (excl. battery)
140 kg (*24S 30 Ah*4 pcs) 120 kg (*24S 37.5 Ah*4 pcs)

展开尺寸 Deployed Dimensions 3328 mm × 3226 mm × 792 mm
(桨叶展开) (Propeller deployment)

拆卸尺寸 Disassembled Dimensions 1904 mm × 1802 mm × 446 mm
(桨叶折叠，起落架拆卸) (Propeller folding & landing gear disassembly)

最大载重 Max. Loading Capacity 200 kg

最大起飞重量 Max. Takeoff Weight 320 kg

负载航时
Endurance

24S 30000mAh 四电池组
Standard Version 24S 30000mAh Dual Battery Pack
≤14 min @ 180 kg

24S 37500mAh 四电池组
Endurance Version 24S 37500mAh Dual Battery Pack
≤25 min @ 100 kg
≤15 min @ 200 kg

最大上升速度
Max. Ascent Speed 5 m/s

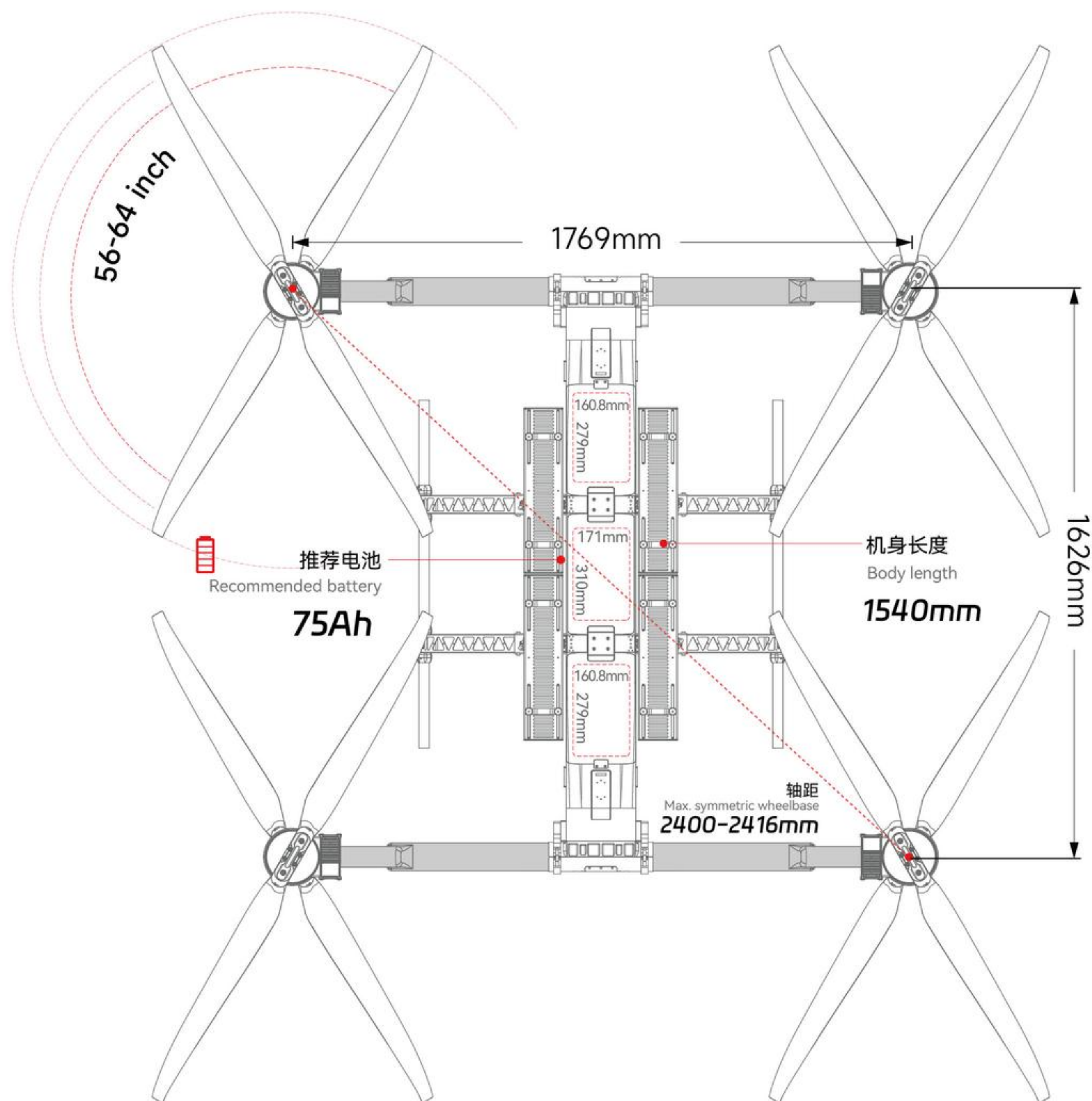
最大旋转角速度
Max. Angular Velocity 100°/s

最大下降速度
Max. Descent Speed 3 m/s

最大飞行海拔高度
Max. Flight Altitude 标配桨 ≤ 3800 m; 高原桨 ≤ 7000 m
Standard propeller ≤ 3800 m; Plateau propeller ≤ 7000 m

最大水平速度
Max. Horizontal Speed 18 m/s (*无风环境下，空载)
(*No wind, without payload)

最大可承受风速
Max. Wind Speed Resistance 12 m/s (6级风)
(Wind Force 6)



机架兼容多种电机型号

Frame compatible with multiple motor models



X15



A14



H15MD



X-A16L



X13



H13MD



P50M



P65M

KEEL MAX Coaxial Quadcopter

100-200KG 模块化运载无人机 <<

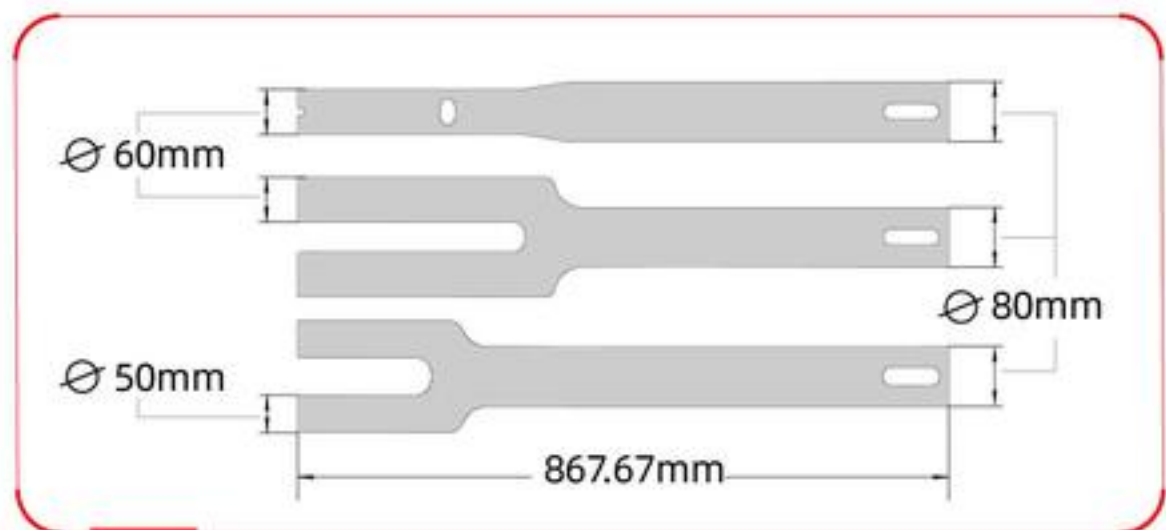
电池快拆结构 Battery quick-release

- 18S 75Ah
- 4851Wh
- 64.8V (标称)
- Li-ion
- 480*160*215mm
- 17.1kg

PDB 120V



- 36-120V(8-28S)
- 5V、12V、24V
- 2A持续(5A峰值60s)
- 130*44*43mm
- 130g (含风扇)



龙爪快拆结构 Dragon claw Quick-release arm

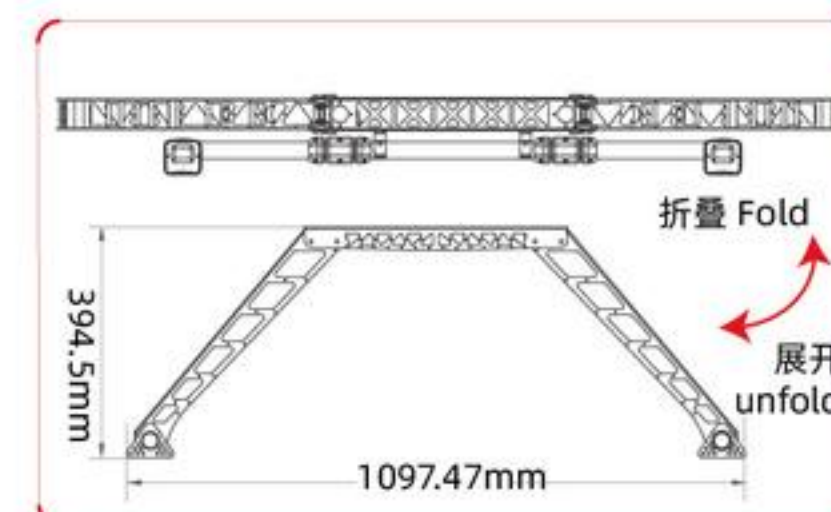
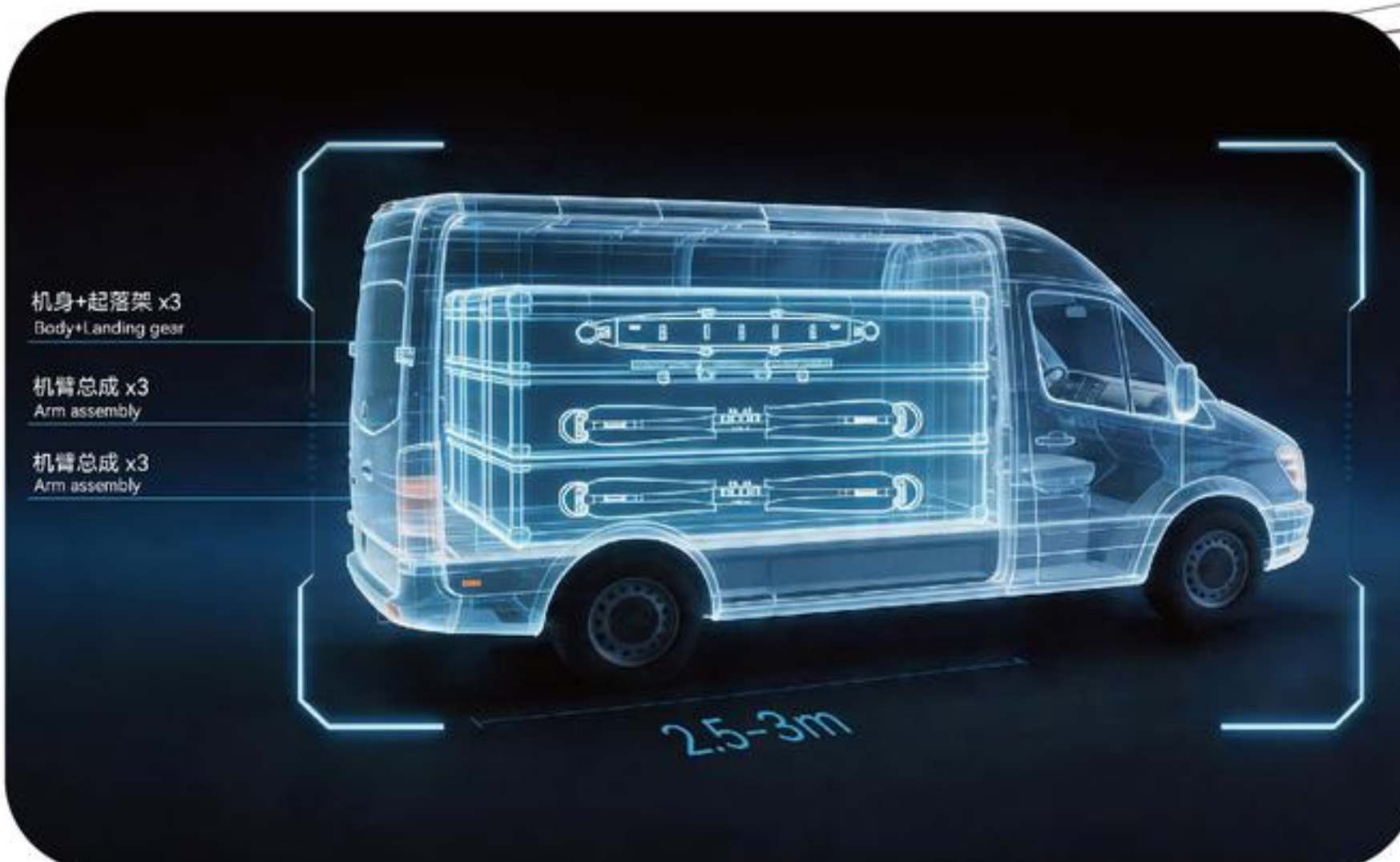
潘多拉接口 (24-58V) Pandora connector(24-58V)

RTK

电池散热 Battery cooling

快拆式起落架 Quick release landing gear

装箱尺寸 Packing size



920mm

610mm

2070



X300

2026 NEW DRONE



P65M



P115M



Coaxial Quadcopter <<

300KG 模块化高压飞行平台

巅峰负载

拥有令人震撼的300kg最大有效载荷，专为超重型物资转运、大容量灭火以及极端工业运输场景打造，是真正的“空中大力神”。



Paramount Payload

Boasting a staggering maximum payload of 300kg. Engineered for ultra-heavy material transport, large-capacity firefighting, and extreme industrial logistics, it is a true "Hercules of the Air."

模块部署

模块化快拆结构，机臂具备高强度自锁功能，配合分体式起落架。即便体积庞大，拆卸后变为紧凑的尺寸，极大优化了运输灵活性。



Modular Deployment

The modular quick-release structure and high-strength self-locking arms, combined with the split landing gear, allow the aircraft to transform from a large machine into a compact unit after disassembly, greatly optimizing transport flexibility.

全维监测

内置 400/800V 级工业自研缓启动模块，支持一键安全上电。集成 PWM+CAN 双重通讯链路，支持对整机电压、电流及动力状态的实时数字化监测。



Omni-Monitoring

Featuring a self-developed 400/800V industrial soft-start module, supporting one-touch secure power-up. Integrated with dual PWM+CAN communication links, enabling real-time digital monitoring of voltage, current, and propulsion status.

型号 Model

X300 (Ver. P115M)

对称轴距 Max. Symmetric Wheelbase

2640 mm

空机重量 Weight

115 kg (*无电池) (excl. battery)

201.5kg (*含8电) (incl. battery *8 pcs)

展开尺寸 Deployed Dimensions

3502 mm × 3485mm × 820 mm (propeller deployment)

拆卸尺寸 Disassembled Dimensions

790 mm × 760 mm × 326 mm (Arm & landing gear disassembly)

最大载重 Max. Loading Capacity

300 kg

最大起飞重量 Max. Takeoff Weight

501.5 kg

负载航时

Endurance

24S 33000mAh 电池组

24S 33000mAh Dual Battery Pack

≤18 min @ 200 kg

≤15 min @ 240 kg

≤11 min @ 300 kg

最大上升速度

Max. Ascent Speed

3 m/s

最大下降速度

Max. Descent Speed

3 m/s

最大水平速度

Max. Horizontal Speed

15 m/s (*无风环境下，空载)

(*No wind, without payload)

最大旋转角速度

Max. Angular Velocity

65°/s

最大飞行海拔高度

Max. Flight Altitude

标配桨 ≤ 3800 m; 高原桨 ≤ 7000 m

Standard propeller ≤3800 m; Plateau propeller ≤7000 m

最大可承受风速

Max. Wind Speed Resistance

12 m/s (6级风)

(Wind Force 6)



NAGA X4

轻量化四旋翼无人机
Lightweight Quadcopter

型号 Model	NAGA X4	
对称轴距 Max. Symmetric Wheelbase	815mm	
空机重量 Weight	2.5 kg (*无电池) (excl. battery)	5.3 kg (*含单电) (incl. battery * 1 pcs)
展开尺寸 Deployed Dimensions	960*960*455mm	
拆卸尺寸 Disassembled Dimensions	440*210*200mm	
最大载重 Max. Loading Capacity	3 kg	
最大起飞重量 Max. Takeoff Weight	8 kg	

14S 14000mA单电池组

14S 14000mAh single Battery Pack

负载航时
Endurance

≤ 90 min @ Without payload
≤ 68 min @ 0.8 kg
≤ 45 min @ 2.5 kg

最大可承受风速
Max Wind Speed Resistance

12m/s

最大水平速度
Max. Horizontal Speed

35m/s

材料
Material

碳纤维复合材料、航空铝
Carbon fiber composite and aviation aluminum

NAGA娜迦系列 · { 轻量化四旋翼无人机 }

NAGA Series · { Lightweight Quadcopter Drone }



长航时共轴无人机
Long Endurance Coaxial Drone

NAGA X8

型 号 Model	NAGA X8	
对称轴距 Max. Symmetric Wheelbase	820mm	
空机重量 Weight	3.9 kg (*无电池) (excl. battery)	9.5 kg (*含双电) (incl. battery * 2 pcs)
展开尺寸 Deployed Dimensions	1050*892*561mm	
拆卸尺寸 Disassembled Dimensions	231*416*561mm	
最大载重 Max. Loading Capacity	8 kg	
最大起飞重量 Max. Takeoff Weight	18 kg	

14S 14000mA双电池组

14S 14000mAh single Battery Pack

负载航时
Endurance

≤ 75 min @ Without payload
≤ 40 min @ 5 kg
≤ 15 min @ 8 kg

最大可承受风速
Max Wind Speed Resistance

12m/s

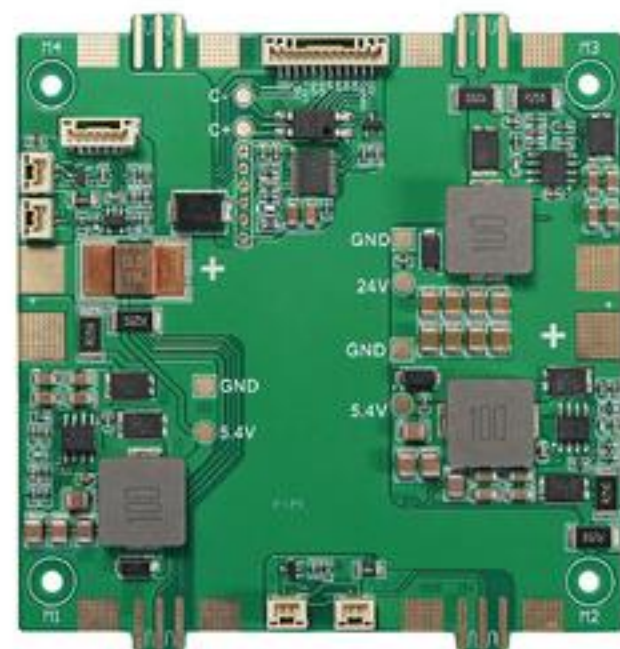
最大水平速度
Max. Horizontal Speed

20m/s

材料
Material

碳纤维复合材料、航空铝
Carbon fiber composite and aviation aluminum

电源模块 HIGH ENERGY DENSITY BATTERY



电压电流监测

一板集成

6S-14S

多重保护

型号
Model PDB-70A

尺寸 Size 90×95×6 mm

重量 Weight 58.8g

输入电压 Input voltage 30-63V (6-14S)

持续电流 Continuous current 70A

峰值电流 Peak current 100A (10s)

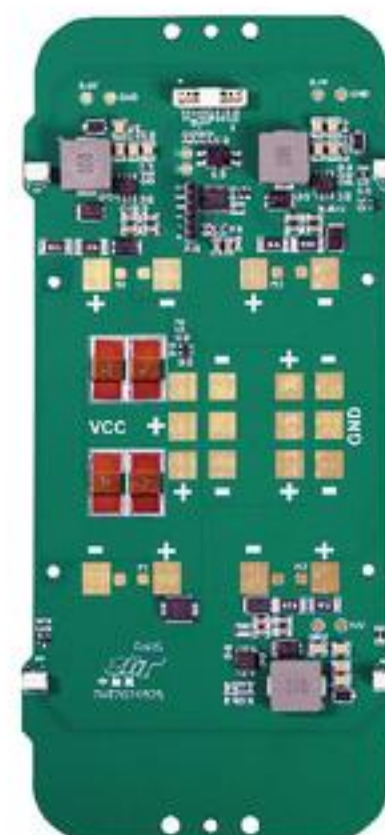
BEC

- 5.4V *2
额定电流1A (与飞控共用供电) / 5.4W
- 24V *1
额定电流3A / 最大电流5A
72W持续 / 120W峰值

接口
Interface

飞控总成线Power 1 *1
Power 2 *1
LED *4 / 电调ESC *4
电池输入*2 / 电压输出*3

工作温度 Working temperature -25°C to +45°C



200A持续过流

多路稳压

负载冗余

多重保护

型号
Model PDB-200A

尺寸 Size 216×96×13mm

重量 Weight 130g

输入电压 Input voltage 30-63V (6-14S)

持续电流 Continuous current 200A

峰值电流 Peak current 320A (10s)

BEC

- 5.4V *2
额定电流1A (与飞控共用供电) / 5.4W
- 12V *1
额定电流3A / 最大电流5A
72W持续 / 120W峰值

接口
Interface

飞控总成线Power 1 *1
LED *4 / 电调ESC *4
电池输入*4 / 电压输出*3

工作温度 Working temperature -25°C to +45°C



120V高压适配

多路稳压

高效散热

多重保护

型号
Model PDB-120V

尺寸 Size 130×44×43mm (含风扇)

重量 Weight 130g (含风扇)

输入电压 Input voltage 36-120V (8-28S)

持续电流 Continuous current 2A

峰值电流 Peak current 5A (60s)

BEC

- 5V *1
10W持续 / 25W峰值
- 12V *1
24W持续 / 60W峰值
- 24V *1
48W持续 / 120W峰值

接口
Interface

飞控总成线Power 1 *1
电池输入*1 / 电压输出*3

工作温度 Working temperature -25°C to +45°C

兼容 Pixhawk/APM 等主流飞控

Compatible with mainstream flight control such as Pixhawk/APM



120V/400V/800V 缓启动 SOFT START



零弧上电

继电器方案

大载荷 / 载人无人机专用

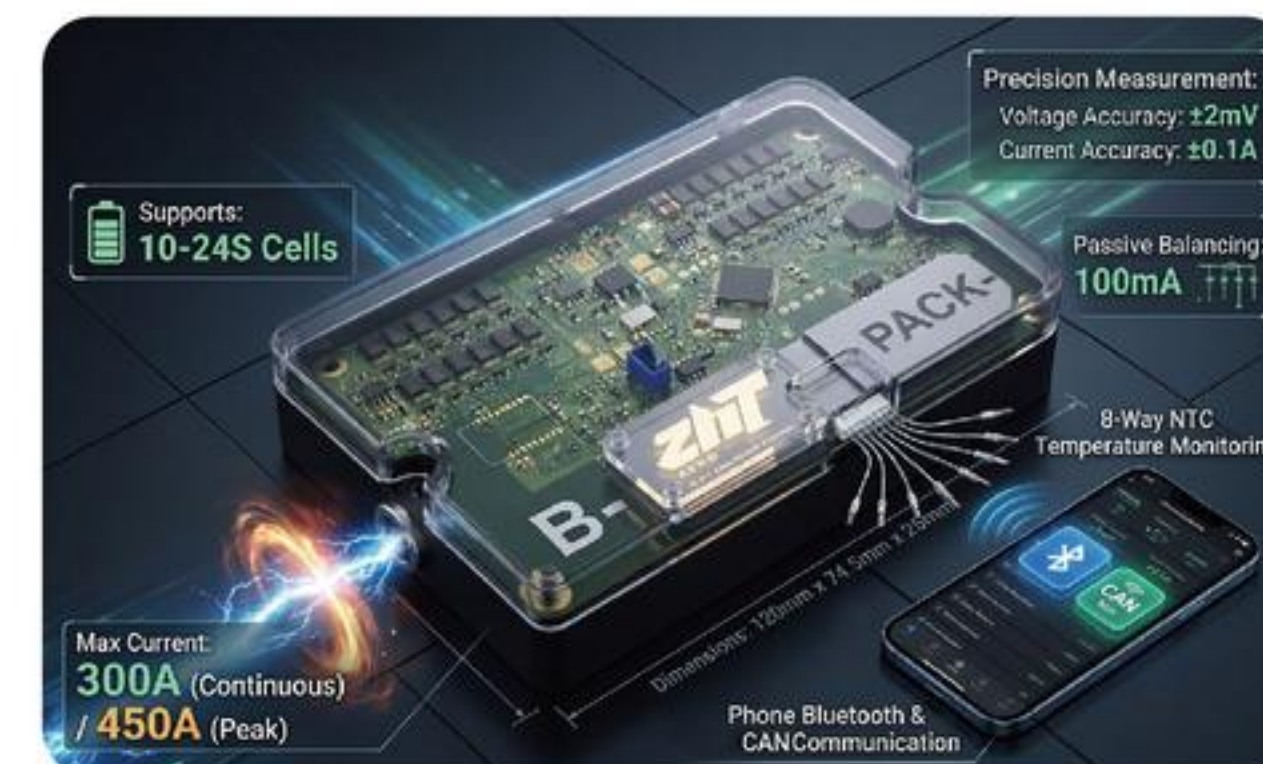
大电流稳定输出

故障实时报告

精准监控

型 号 Model	PCSS-120V	PCSS-400V	PCSS-800V	
尺寸 Size (Single board without relays)	45×66×32mm	149×99×50mm	150×100×40mm (A) 150×100×40mm (B)	
重量 Weight (Incl. relays)	1050g	1450g	1925g	
输入电压 Input voltage	36V-120V	248V-450V	100V-1100V	
持续电流 Continuous current	450A			
峰值电流 Peak current	600A (环境温度25℃) (Ambient temperature 25℃)			
功能 Function	▪ 按键启动 Button Start	▪ 多板卡同时启动 Multi-board Sync Start	▪ CAN通讯 CAN Communication	▪ 电压监测 Voltage monitoring
	▪ 蜂鸣器提示 Buzzer alert	▪ 数码管错误提示 Digital tube error message	▪ 远程控制 Remote control	▪ 免焊接 No welding
接口 Interface	电源输入 *2 CAN *1; Type-C*1 按键+数码管*2 / 电流采集*1 继电器*2; 负载正极*1	电源输入 *1 CAN *1; 预充电阻*1 按键+数码管*2 继电器*2; 负载正极*1	电源输入 *1 CAN *1; 预充电阻*1 按键+数码管*2 继电器*2; 负载正极*1	
工作温度 Working temperature	-25℃ to +55℃			

BMS 电源管理 BATTERY MANAGEMENT



超低待机功耗

多路测温

高效散热

多重保护

型号 Model	BMS1024
尺寸 Size	120×74.5×25mm
重量 Weight	176g
支持串数 Series cells	10-24S
持续电流 Continuous Current	300A
峰值电流 Peak current	450A(3min)
被动均衡 Balancing Current	100mA
电压采样精度 Cell Voltage Accuracy	±2mV
电流采样精度 Balancing Current	±0.1A
功能 Function	▪ 支持蓝牙连接 Bluetooth ▪ 支持CAN连接 Supports CAN connection ▪ 支持8路NTC测温 Supports 8-channel NTC temperature measurement ▪ SOC/SOH/SOP
工作温度 Working temperature	-30℃ to +80℃

即将上市: 支持串数5-12S, 10-24S, 15-36S

Coming soon: Supports serial numbers of 5-12S, 10-24S, and 15-36S

ZHT PACK 电池参数表

▼ 能量密度 310 Wh/kg

ZE320-20.5电芯容量 20.5Ah电芯重量 243g最大持续充电倍率 2C最大持续放电倍率 3C循环寿命 ≥800 cycles										
型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
ZE320-20.5-31	20.5	10.8 / 12.75 / 8.1	221.4	0.947	24.9×74×172	0.33C / 6.77A	0.33C / 6.77A	2C / 41A	3C / 61.5A	5C(≤60s) / 102.5A
ZE320-20.5-32	41	10.8 / 12.75 / 8.1	442.8	1.82	49.8×74×172	0.33C / 13.53A	0.33C / 13.53A	2C / 82A	3C / 123A	5C(≤60s) / 205A
ZE320-20.5-61	20.5	21.6 / 25.5 / 16.2	442.8	1.771	49.8×74×172	0.33C / 6.77A	0.33C / 6.77A	2C / 41A	3C / 61.5A	5C(≤60s) / 102.5A
ZE320-20.5-62	41	21.6 / 25.5 / 16.2	885.6	3.464	99.6×74×172	0.33C / 13.53A	0.33C / 13.53A	2C / 82A	3C / 123A	5C(≤60s) / 205A
ZE320-20.5-71	20.5	25.2 / 29.75 / 18.9	516.6	2.046	58.1×74×172	0.33C / 6.77A	0.33C / 6.77A	2C / 41A	3C / 61.5A	5C(≤60s) / 102.5A
ZE320-20.5-72	41	25.2 / 29.75 / 18.9	1033.2	4.012	116.2×74×172	0.33C / 13.53A	0.33C / 13.53A	2C / 82A	3C / 123A	5C(≤60s) / 205A
ZE320-20.5-121	20.5	43.2 / 51 / 32.4	885.6	3.419	99.6×74×172	0.33C / 6.77A	0.33C / 6.77A	2C / 41A	3C / 61.5A	5C(≤60s) / 102.5A
ZE320-20.5-122	41	43.2 / 51 / 32.4	1771.2	6.754	199.2×74×172	0.33C / 13.53A	0.33C / 13.53A	2C / 82A	3C / 123A	5C(≤60s) / 205A
ZE320-20.5-181	20.5	64.8 / 76.5 / 48.6	1328.4	5.068	149.4×74×172	0.33C / 6.77A	0.33C / 6.77A	2C / 41A	3C / 61.5A	5C(≤60s) / 102.5A
ZE320-20.5-182	41	64.8 / 76.5 / 48.6	2656.8	10.043	298.8×74×172	0.33C / 13.53A	0.33C / 13.53A	2C / 82A	3C / 123A	5C(≤60s) / 205A
ZE320-20.5-241	20.5	86.4 / 102 / 64.8	1771.2	6.716	199.2×74×172	0.33C / 6.77A	0.33C / 6.77A	2C / 41A	3C / 61.5A	5C(≤60s) / 102.5A
ZE320-20.5-242	41	86.4 / 102 / 64.8	3542.4	13.332	398.4×74×172	0.33C / 13.53A	0.33C / 13.53A	2C / 82A	3C / 123A	5C(≤60s) / 205A
ZE320-20.5-281	20.5	100.8 / 119 / 75.6	2066.4	7.815	232.4×74×172	0.33C / 6.77A	0.33C / 6.77A	2C / 41A	3C / 61.5A	5C(≤60s) / 102.5A
ZE320-20.5-282	41	100.8 / 119 / 75.6	4132.8	15.525	464.8×74×172	0.33C / 13.53A	0.33C / 13.53A	2C / 82A	3C / 123A	5C(≤60s) / 205A

ZE320-25.5电芯容量 25.5Ah电芯重量 295g最大持续充电倍率 2C最大持续放电倍率 3C循环寿命 ≥800 cycles										
型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
ZE320-25.5-31	25.5	10.8 / 12.75 / 8.1	275.4	1.123	30.9×74×172	0.33C / 8.42A	0.33C / 8.42A	2C / 51A	3C / 76.5A	5C(≤60s) / 127.5A
ZE320-25.5-32	51	10.8 / 12.75 / 8.1	550.8	2.251	61.8×74×172	0.33C / 16.83A	0.33C / 16.83A	2C / 102A	3C / 153A	5C(≤60s) / 255A
ZE320-25.5-61	25.5	21.6 / 25.5 / 16.2	550.8	2.123	61.8×74×172	0.33C / 8.42A	0.33C / 8.42A	2C / 51A	3C / 76.5A	5C(≤60s) / 127.5A
ZE320-25.5-62	51	21.6 / 25.5 / 16.2	1101.6	4.248	123.6×74×172	0.33C / 16.83A	0.33C / 16.83A	2C / 102A	3C / 153A	5C(≤60s) / 255A
ZE320-25.5-71	25.5	25.2 / 29.75 / 18.9	642.6	2.456	72.1×74×172	0.33C / 8.42A	0.33C / 8.42A	2C / 51A	3C / 76.5A	5C(≤60s) / 127.5A
ZE320-25.5-72	51	25.2 / 29.75 / 18.9	1285.2	4.913	144.2×74×172	0.33C / 16.83A	0.33C / 16.83A	2C / 102A	3C / 153A	5C(≤60s) / 255A
ZE320-25.5-121	25.5	43.2 / 51 / 32.4	1101.6	4.123	123.6×74×172	0.33C / 8.42A	0.33C / 8.42A	2C / 51A	3C / 76.5A	5C(≤60s) / 127.5A
ZE320-25.5-122	51	43.2 / 51 / 32.4	2203.2	8.241	247.2×74×172	0.33C / 16.83A	0.33C / 16.83A	2C / 102A	3C / 153A	5C(≤60s) / 255A
ZE320-25.5-181	25.5	64.8 / 76.5 / 48.6	1652.4	6.123	185.4×74×172	0.33C / 8.42A	0.33C / 8.42A	2C / 51A	3C / 76.5A	5C(≤60s) / 127.5A
ZE320-25.5-182	51	64.8 / 76.5 / 48.6	3304.8	12.234	370.8×74×172	0.33C / 16.83A	0.33C / 16.83A	2C / 102A	3C / 153A	5C(≤60s) / 255A
ZE320-25.5-241	25.5	86.4 / 102 / 64.8	2203.2	8.124	247.2×74×172	0.33C / 8.42A	0.33C / 8.42A	2C / 51A	3C / 76.5A	5C(≤60s) / 127.5A
ZE320-25.5-242	51	86.4 / 102 / 64.8	4406.4	16.227	494.4×74×172	0.33C / 16.83A	0.33C / 16.83A	2C / 102A	3C / 153A	5C(≤60s) / 255A
ZE320-25.5-281	25.5	100.8 / 119 / 75.6	2570.4	9.457	288.4×74×172	0.33C / 8.42A	0.33C / 8.42A	2C / 51A	3C / 76.5A	5C(≤60s) / 127.5A
ZE320-25.5-282	51	100.8 / 119 / 75.6	5140.8	18.889	576.8×74×172	0.33C / 16.83A	0.33C / 16.83A	2C / 102A	3C / 153A	5C(≤60s) / 255A

▼ 能量密度 315 Wh/kg

ZE320-33电芯容量 33Ah电芯重量 377g最大持续充电倍率 2C最大持续放电倍率 3C循环寿命 ≥800 cycles										
型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
ZE320-33-31	33	10.8 / 12.75 / 8.1	356.4	1.456	30.3×87×187	0.33C / 10.89A	0.33C / 10.89A	2C / 66A	3C / 99A	5C(≤60s) / 165A
ZE320-33-32	66	10.8 / 12.75 / 8.1	712.8	2.807	60.6×87×187	0.33C / 21.78A	0.33C / 21.78A	2C / 132A	3C / 198A	5C(≤60s) / 330A
ZE320-33-61	33	21.6 / 25.5 / 16.2	712.8	2.731	60.6×87×187	0.33C / 10.89A	0.33C / 10.89A	2C / 66A	3C / 99A	5C(≤60s) / 165A
ZE320-33-62	66	21.6 / 25.5 / 16.2	1425.6	5.351	121.2×87×187	0.33C / 21.78A	0.33C / 21.78A	2C / 132A	3C / 198A	5C(≤60s) / 330A
ZE320-33-71	33	25.2 / 29.75 / 18.9	831.6	3.155	70.7×87×187	0.33C / 10.89A	0.33C / 10.89A	2C / 66A	3C / 99A	5C(≤60s) / 165A
ZE320-33-72	66	25.2 / 29.75 / 18.9	1663.2	6.199	141.4×87×187	0.33C / 21.78A	0.33C / 21.78A	2C / 132A	3C / 198A	5C(≤60s) / 330A
ZE320-33-121	33	43.2 / 51 / 32.4	1425.6	5.279	121.2×87×187	0.33C / 10.89A	0.33C / 10.89A	2C / 66A	3C / 99A	5C(≤60s) / 165A
ZE320-33-122	66	43.2 / 51 / 32.4	2851.2	10.44	242.4×87×187	0.33C / 21.78A	0.33C / 21.78A	2C / 132A	3C / 198A	5C(≤60s) / 330A
ZE320-33-181	33	64.8 / 76.5 / 48.6	2138.4	7.827	181.8×87×187	0.33C / 10.89A	0.33C / 10.89A	2C / 66A	3C / 99A	5C(≤60s) / 165A
ZE320-33-182	66	64.8 / 76.5 / 48.6	4276.8	15.529	363.6×87×187	0.33C / 21.78A	0.33C / 21.78A	2C / 132A	3C / 198A	5C(≤60s) / 330A
ZE320-33-241	33	86.4 / 102 / 64.8	2851.2	10.376	242.4×87×187	0.33C / 10.89A	0.33C / 10.89A	2C / 66A	3C / 99A	5C(≤60s) / 165A
ZE320-33-242	66	86.4 / 102 / 64.8	5702.4	20.618	484.8×87×187	0.33C / 21.78A	0.33C / 21.78A	2C / 132A	3C / 198A	5C(≤60s) / 330A
ZE320-33-281	33	100.8 / 119 / 75.6	3326.4	12.074	282.8×87×187	0.33C / 10.89A	0.33C / 10.89A	2C / 66A	3C / 99A	5C(≤60s) / 165A
ZE320-33-282	66	100.8 / 119 / 75.6	6652.8	24.011	565.6×87×187	0.33C / 21.78A	0.33C / 21.78A	2C / 132A	3C / 198A	5C(≤60s) / 330A

ZE320-36电芯容量 36Ah电芯重量 415g最大持续充电倍率 2C最大持续放电倍率 3C循环寿命 ≥800 cycles										
型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
ZE320-36-31	36	10.8 / 12.75 / 8.1	388.8	1.584	33×87×187	0.33C / 11.88A	0.33C / 11.88A	2C / 72A	3C / 108A	5C(≤60s) / 180A
ZE320-36-32	72	10.8 / 12.75 / 8.1	777.6	3.287	66×87×187	0.33C / 23.76A	0.33C / 23.76A	2C / 144A	3C / 216A	5C(≤60s) / 360A
ZE320-36-61	36	21.6 / 25.5 / 16.2	777.6	2.986	66×87×187	0.33C / 11.88A	0.33C / 11.88A	2C / 72A	3C / 108A	5C(≤60s) / 180A
ZE320-36-62	72	21.6 / 25.5 / 16.2	1555.2	6.088	132×87×187	0.33C / 23.76A	0.33C / 23.76A	2C / 144A	3C / 216A	5C(≤60s) / 360A
ZE320-36-71	36	25.2 / 29.75 / 18.9	907.2	3.454	77×87×187	0.33C / 11.88A	0.33C / 11.88A	2C / 72A	3C / 108A	5C(≤60s) / 180A
ZE320-36-72	72	25.2 / 29.75 / 18.9	1814.4	7.021	154×87×187	0.33C / 23.76A	0.33C / 23.76A	2C / 144A	3C / 216A	5C(≤60s) / 360A
ZE320-36-121	36	43.2 / 51 / 32.4	1555.2	5.79	132×87×187	0.33C / 11.88A	0.33C / 11.88A	2C / 72A	3C / 108A	5C(≤60s) / 180A
ZE320-36-122	72	43.2 / 51 / 32.4	3110.4	11.688	264×87×187	0.33C / 23.76A	0.33C / 23.76A	2C / 144A	3C / 216A	5C(≤60s) / 360A
ZE320-36-181	36	64.8 / 76.5 / 48.6	2332.8	8.594	198×87×187	0.33C / 11.88A	0.33C / 11.88A	2C / 72A	3C / 108A	5C(≤60s) / 180A
ZE320-36-182	72	64.8 / 76.5 / 48.6	4665.6	17.288	396×87×187	0.33C / 23.76A	0.33C / 23.76A	2C / 144A	3C / 216A	5C(≤60s) / 360A
ZE320-36-241	36	86.4 / 102 / 64.8	3110.4	11.398	264×87×187	0.33C / 11.88A	0.33C / 11.88A	2C / 72A	3C / 108A	5C(≤60s) / 180A
ZE320-36-242	72	86.4 / 102 / 64.8	6220.8	22.889	528×87×187	0.33C / 23.76A	0.33C / 23.76A	2C / 144A	3C / 216A	5C(≤60s) / 360A
ZE320-36-281	36	100.8 / 119 / 75.6	3628.8	13.268	308×87×187	0.33C / 11.88A	0.33C / 11.88A	2C / 72A	3C / 108A	5C(≤60s) / 180A
ZE320-36-282	72	100.8 / 119 / 75.6	7257.6	26.622	616×87×187	0.33C / 23.76A	0.33C / 23.76A	2C / 144A	3C / 216A	5C(≤60s) / 360A

超 高 能 量 系 列

▼ 能量密度 360 Wh/kg

UZE360-30.5 电芯容量 30.5Ah 电芯重量 313g 最大持续充电倍率 1C 最大持续放电倍率 2.5C 循环寿命 ≥500 cycles										
型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
UZE360-30.5-31	30.5	10.5 / 12.75 / 7.5	320.3	1.183	33×74×172	0.33C / 10.07A	0.33C / 10.07A	1C / 30.5A	2.5C / 76.25A	3C(60s) / 91.5A
UZE360-30.5-32	61	10.5 / 12.75 / 7.5	640.5	2.293	66×74×172	0.33C / 20.13A	0.33C / 20.13A	1C / 61A	2.5C / 152.5A	3C(60s) / 183A
UZE360-30.5-61	30.5	21 / 25.5 / 15	640.5	2.244	66×74×172	0.33C / 10.07A	0.33C / 10.07A	1C / 30.5A	2.5C / 76.25A	3C(60s) / 91.5A
UZE360-30.5-62	61	21 / 25.5 / 15	1281	4.411	132×74×172	0.33C / 20.13A	0.33C / 20.13A	1C / 61A	2.5C / 152.5A	3C(60s) / 183A
UZE360-30.5-71	30.5	24.5 / 29.75 / 17.5	747.3	2.598	77×74×172	0.33C / 10.07A	0.33C / 10.07A	1C / 30.5A	2.5C / 76.25A	3C(60s) / 91.5A
UZE360-30.5-72	61	24.5 / 29.75 / 17.5	1494.5	5.118	154×74×172	0.33C / 20.13A	0.33C / 20.13A	1C / 61A	2.5C / 152.5A	3C(60s) / 183A
UZE360-30.5-121	30.5	42 / 51 / 30	1281	4.367	132×74×172	0.33C / 10.07A	0.33C / 10.07A	1C / 30.5A	2.5C / 76.25A	3C(60s) / 91.5A
UZE360-30.5-122	61	42 / 51 / 30	2562	8.648	264×74×172	0.33C / 20.13A	0.33C / 20.13A	1C / 61A	2.5C / 152.5A	3C(60s) / 183A
UZE360-30.5-181	30.5	63 / 76.5 / 45	1921.5	6.489	198×74×172	0.33C / 10.07A	0.33C / 10.07A	1C / 30.5A	2.5C / 76.25A	3C(60s) / 91.5A
UZE360-30.5-182	61	63 / 76.5 / 45	3843	12.885	396×74×172	0.33C / 20.13A	0.33C / 20.13A	1C / 61A	2.5C / 152.5A	3C(60s) / 183A
UZE360-30.5-241	30.5	84 / 102 / 60	2562	8.611	264×74×172	0.33C / 10.07A	0.33C / 10.07A	1C / 30.5A	2.5C / 76.25A	3C(60s) / 91.5A
UZE360-30.5-242	61	84 / 102 / 60	5124	17.121	528×74×172	0.33C / 20.13A	0.33C / 20.13A	1C / 61A	2.5C / 152.5A	3C(60s) / 183A
UZE360-30.5-281	30.5	98 / 119 / 70	2989	10.026	308×74×172	0.33C / 10.07A	0.33C / 10.07A	1C / 30.5A	2.5C / 76.25A	3C(60s) / 91.5A
UZE360-30.5-282	61	98 / 119 / 70	5978	19.946	616×74×172	0.33C / 20.13A	0.33C / 20.13A	1C / 61A	2.5C / 152.5A	3C(60s) / 183A

UZE360-41 电芯容量 41Ah 电芯重量 408g 最大持续充电倍率 1C 最大持续放电倍率 2.5C 循环寿命 ≥500 cycles										
型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
UZE360-41-31	41	10.5 / 12.75 / 7.5	430.5	1.508	32.4×87×187	0.33C / 13.53A	0.33C / 13.53A	1C / 41A	2.5C / 102.5A	3C(60s) / 123A
UZE360-41-32	82	10.5 / 12.75 / 7.5	861	2.935	64.8×87×187	0.33C / 27.06A	0.33C / 27.06A	1C / 82A	2.5C / 205A	3C(60s) / 246A
UZE360-41-61	41	21 / 25.5 / 15	861	2.887	64.8×87×187	0.33C / 13.53A	0.33C / 13.53A	1C / 41A	2.5C / 102.5A	3C(60s) / 123A
UZE360-41-62	82	21 / 25.5 / 15	1722	5.688	129.6×87×187	0.33C / 27.06A	0.33C / 27.06A	1C / 82A	2.5C / 205A	3C(60s) / 246A
UZE360-41-71	41	24.5 / 29.75 / 17.5	1004.5	3.346	75.6×87×187	0.33C / 13.53A	0.33C / 13.53A	1C / 41A	2.5C / 102.5A	3C(60s) / 123A
UZE360-41-72	82	24.5 / 29.75 / 17.5	2009	6.606	151.2×87×187	0.33C / 27.06A	0.33C / 27.06A	1C / 82A	2.5C / 205A	3C(60s) / 246A
UZE360-41-121	41	42 / 51 / 30	1722	5.643	129.6×87×187	0.33C / 13.53A	0.33C / 13.53A	1C / 41A	2.5C / 102.5A	3C(60s) / 123A
UZE360-41-122	82	42 / 51 / 30	3444	11.194	259.2×87×187	0.33C / 27.06A	0.33C / 27.06A	1C / 82A	2.5C / 205A	3C(60s) / 246A
UZE360-41-181	41	63 / 76.5 / 45	2583	8.4	194.4×87×187	0.33C / 13.53A	0.33C / 13.53A	1C / 41A	2.5C / 102.5A	3C(60s) / 123A
UZE360-41-182	82	63 / 76.5 / 45	5166	16.7	388.8×87×187	0.33C / 27.06A	0.33C / 27.06A	1C / 82A	2.5C / 205A	3C(60s) / 246A
UZE360-41-241	41	84 / 102 / 60	3444	11.157	259.2×87×187	0.33C / 13.53A	0.33C / 13.53A	1C / 41A	2.5C / 102.5A	3C(60s) / 123A
UZE360-41-242	82	84 / 102 / 60	6888	22.206	518.4×87×187	0.33C / 27.06A	0.33C / 27.06A	1C / 82A	2.5C / 205A	3C(60s) / 246A
UZE360-41-281	41	98 / 119 / 70	4018	12.995	302.4×87×187	0.33C / 13.53A	0.33C / 13.53A	1C / 41A	2.5C / 102.5A	3C(60s) / 123A
UZE360-41-282	82	98 / 119 / 70	8036	25.877	604.8×87×187	0.33C / 27.06A	0.33C / 27.06A	1C / 82A	2.5C / 205A	3C(60s) / 246A

高倍率系列

▼ 能量密度

210 Wh/kg

ZP-16.5

电芯容量 16.5Ah

电芯重量 294g

最大持续充电倍率 5C

最大持续放电倍率 10C

循环寿命 ≥1200 cycles

型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
ZP-16.5-31	16.5	11.28 / 13.05 / 9	186.1	1.252	31.2×74×172	0.33C / 5.45A	0.33C / 5.45A	5C / 82.5A	10C / 165A	20C(10s) / 330A
ZP-16.5-32	33	11.28 / 13.05 / 9	372.2	2.47	62.4×74×172	0.33C / 10.89A	0.33C / 10.89A	5C / 165A	10C / 330A	20C(10s) / 660A
ZP-16.5-61	16.5	22.56 / 26.1 / 18	372.2	2.249	62.4×74×172	0.33C / 5.45A	0.33C / 5.45A	5C / 82.5A	10C / 165A	20C(10s) / 330A
ZP-16.5-62	33	22.56 / 26.1 / 18	744.5	4.46	124.8×74×172	0.33C / 10.89A	0.33C / 10.89A	5C / 165A	10C / 330A	20C(10s) / 660A
ZP-16.5-71	16.5	26.32 / 30.45 / 21	434.3	2.581	72.8×74×172	0.33C / 5.45A	0.33C / 5.45A	5C / 82.5A	10C / 165A	20C(10s) / 330A
ZP-16.5-72	33	26.32 / 30.45 / 21	868.6	5.124	145.6×74×172	0.33C / 10.89A	0.33C / 10.89A	5C / 165A	10C / 330A	20C(10s) / 660A
ZP-16.5-121	16.5	45.12 / 52.2 / 36	744.5	4.243	124.8×74×172	0.33C / 5.45A	0.33C / 5.45A	5C / 82.5A	10C / 165A	20C(10s) / 330A
ZP-16.5-122	33	45.12 / 52.2 / 36	1489	8.44	249.6×74×172	0.33C / 10.89A	0.33C / 10.89A	5C / 165A	10C / 330A	20C(10s) / 660A
ZP-16.5-181	16.5	67.68 / 78.3 / 54	1116.7	6.237	187.2×74×172	0.33C / 5.45A	0.33C / 5.45A	5C / 82.5A	10C / 165A	20C(10s) / 330A
ZP-16.5-182	33	67.68 / 78.3 / 54	2233.4	12.421	374.4×74×172	0.33C / 10.89A	0.33C / 10.89A	5C / 165A	10C / 330A	20C(10s) / 660A
ZP-16.5-241	16.5	90.24 / 104.4 / 72	1489	8.231	249.6×74×172	0.33C / 5.45A	0.33C / 5.45A	5C / 82.5A	10C / 165A	20C(10s) / 330A
ZP-16.5-242	33	90.24 / 104.4 / 72	2977.9	16.401	499.2×74×172	0.33C / 10.89A	0.33C / 10.89A	5C / 165A	10C / 330A	20C(10s) / 660A
ZP-16.5-281	16.5	105.28 / 121.8 / 84	1737.1	9.56	291.2×74×172	0.33C / 5.45A	0.33C / 5.45A	5C / 82.5A	10C / 165A	20C(10s) / 330A
ZP-16.5-282	33	105.28 / 121.8 / 84	3474.2	19.055	582.4×74×172	0.33C / 10.89A	0.33C / 10.89A	5C / 165A	10C / 330A	20C(10s) / 660A

ZP-22

电芯容量 22Ah

电芯重量 396g

最大持续充电倍率 5C

最大持续放电倍率 10C

循环寿命 ≥1200 cycles

型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
ZP-22-31	22	11.28 / 13.05 / 9	248.2	1.825	31.8×87×187	0.33C / 7.26A	0.33C / 7.26A	5C / 110A	10C / 220A	20C(10s) / 440A
ZP-22-32	44	11.28 / 13.05 / 9	496.3	3.385	63.6×87×187	0.33C / 14.52A	0.33C / 14.52A	5C / 220A	10C / 440A	20C(10s) / 880A
ZP-22-61	22	22.56 / 26.1 / 18	496.3	3.164	63.6×87×187	0.33C / 7.26A	0.33C / 7.26A	5C / 110A	10C / 220A	20C(10s) / 440A
ZP-22-62	44	22.56 / 26.1 / 18	992.6	6.057	127.2×87×187	0.33C / 14.52A	0.33C / 14.52A	5C / 220A	10C / 440A	20C(10s) / 880A
ZP-22-71	22	26.32 / 30.45 / 21	579	3.61	74.2×87×187	0.33C / 7.26A	0.33C / 7.26A	5C / 110A	10C / 220A	20C(10s) / 440A
ZP-22-72	44	26.32 / 30.45 / 21	1158.1	6.948	148.4×87×187	0.33C / 14.52A	0.33C / 14.52A	5C / 220A	10C / 440A	20C(10s) / 880A
ZP-22-121	22	45.12 / 52.2 / 36	992.6	5.84	127.2×87×187	0.33C / 7.26A	0.33C / 7.26A	5C / 110A	10C / 220A	20C(10s) / 440A
ZP-22-122	44	45.12 / 52.2 / 36	1985.3	11.402	254.4×87×187	0.33C / 14.52A	0.33C / 14.52A	5C / 220A	10C / 440A	20C(10s) / 880A
ZP-22-181	22	67.68 / 78.3 / 54	1489	8.516	190.8×87×187	0.33C / 7.26A	0.33C / 7.26A	5C / 110A	10C / 220A	20C(10s) / 440A
ZP-22-182	44	67.68 / 78.3 / 54	2977.9	16.747	381.6×87×187	0.33C / 14.52A	0.33C / 14.52A	5C / 220A	10C / 440A	20C(10s) / 880A
ZP-22-241	22	90.24 / 104.4 / 72	1985.3	11.193	254.4×87×187	0.33C / 7.26A	0.33C / 7.26A	5C / 110A	10C / 220A	20C(10s) / 440A
ZP-22-242	44	90.24 / 104.4 / 72	3970.6	22.092	508.8×87×187	0.33C / 14.52A	0.33C / 14.52A	5C / 220A	10C / 440A	20C(10s) / 880A
ZP-22-281	22	105.28 / 121.8 / 84	2316.2	12.977	296.8×87×187	0.33C / 7.26A	0.33C / 7.26A	5C / 110A	10C / 220A	20C(10s) / 440A
ZP-22-282	44	105.28 / 121.8 / 84	4632.3	25.656	593.6×87×187	0.33C / 14.52A	0.33C / 14.52A	5C / 220A	10C / 440A	20C(10s) / 880A

▼ 能量密度 **260 Wh/kg**

ZS280-13

电芯容量 13Ah

电芯重量 185g

最大持续充电倍率 1C

最大持续放电倍率 3C

循环寿命 ≥1500 cycles

型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
ZS280-13-31	13	10.8 / 13.05 / 7.5	140.4	0.707	18.9×74×172	0.33C / 4.29A	0.33C / 4.29A	1C / 13A	3C / 39A	5C(30s) / 65A
ZS280-13-32	26	10.8 / 13.05 / 7.5	280.8	1.375	37.8×74×172	0.33C / 8.58A	0.33C / 8.58A	1C / 26A	3C / 78A	5C(30s) / 130A
ZS280-13-61	13	21.6 / 26.1 / 15	280.8	1.336	37.8×74×172	0.33C / 4.29A	0.33C / 4.29A	1C / 13A	3C / 39A	5C(30s) / 65A
ZS280-13-62	26	21.6 / 26.1 / 15	561.6	2.628	75.6×74×172	0.33C / 8.58A	0.33C / 8.58A	1C / 26A	3C / 78A	5C(30s) / 130A
ZS280-13-71	13	25.2 / 30.45 / 17.5	327.6	1.545	44.1×74×172	0.33C / 4.29A	0.33C / 4.29A	1C / 13A	3C / 39A	5C(30s) / 65A
ZS280-13-72	26	25.2 / 30.45 / 17.5	655.2	3.046	88.2×74×172	0.33C / 8.58A	0.33C / 8.58A	1C / 26A	3C / 78A	5C(30s) / 130A
ZS280-13-121	13	43.2 / 52.2 / 30	561.6	2.592	75.6×74×172	0.33C / 4.29A	0.33C / 4.29A	1C / 13A	3C / 39A	5C(30s) / 65A
ZS280-13-122	26	43.2 / 52.2 / 30	1123.2	5.134	151.2×74×172	0.33C / 8.58A	0.33C / 8.58A	1C / 26A	3C / 78A	5C(30s) / 130A
ZS280-13-181	13	64.8 / 78.3 / 45	842.4	3.849	113.4×74×172	0.33C / 4.29A	0.33C / 4.29A	1C / 13A	3C / 39A	5C(30s) / 65A
ZS280-13-182	26	64.8 / 78.3 / 45	1684.8	7.64	226.8×74×172	0.33C / 8.58A	0.33C / 8.58A	1C / 26A	3C / 78A	5C(30s) / 130A
ZS280-13-241	13	86.4 / 104.4 / 60	1123.2	5.106	151.2×74×172	0.33C / 4.29A	0.33C / 4.29A	1C / 13A	3C / 39A	5C(30s) / 65A
ZS280-13-242	26	86.4 / 104.4 / 60	2246.4	10.146	302.4×74×172	0.33C / 8.58A	0.33C / 8.58A	1C / 26A	3C / 78A	5C(30s) / 130A
ZS280-13-281	13	100.8 / 121.8 / 70	1310.4	5.944	176.4×74×172	0.33C / 4.29A	0.33C / 4.29A	1C / 13A	3C / 39A	5C(30s) / 65A
ZS280-13-282	26	100.8 / 121.8 / 70	2620.8	11.817	352.8×74×172	0.33C / 8.58A	0.33C / 8.58A	1C / 26A	3C / 78A	5C(30s) / 130A

ZS280-20

电芯容量 20Ah

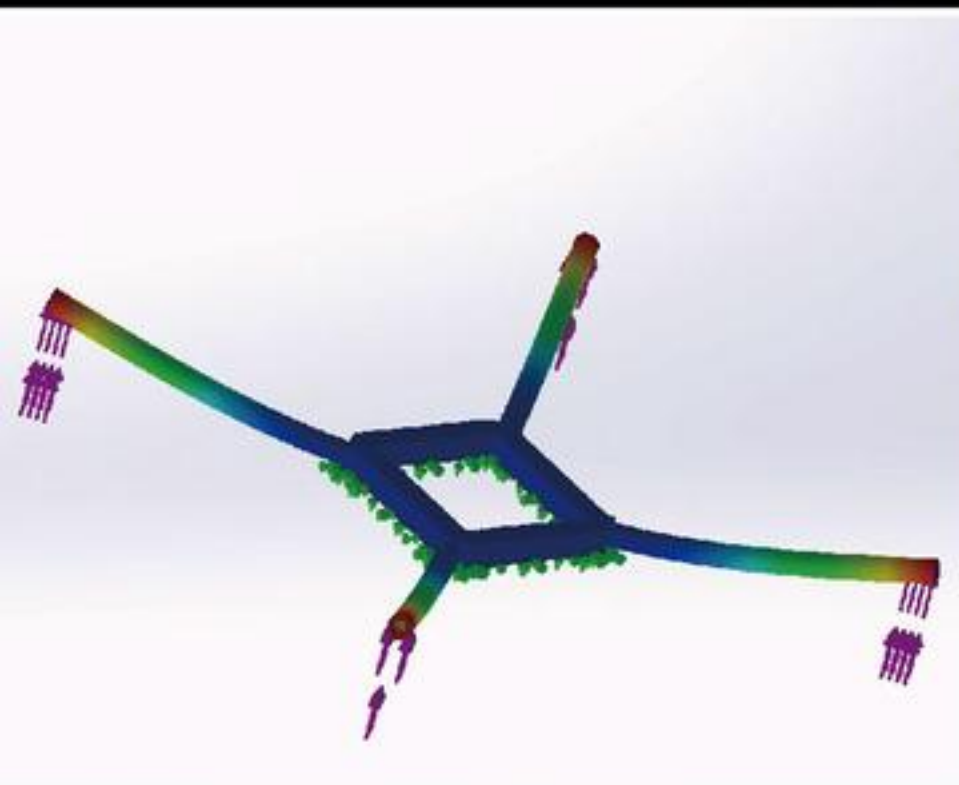
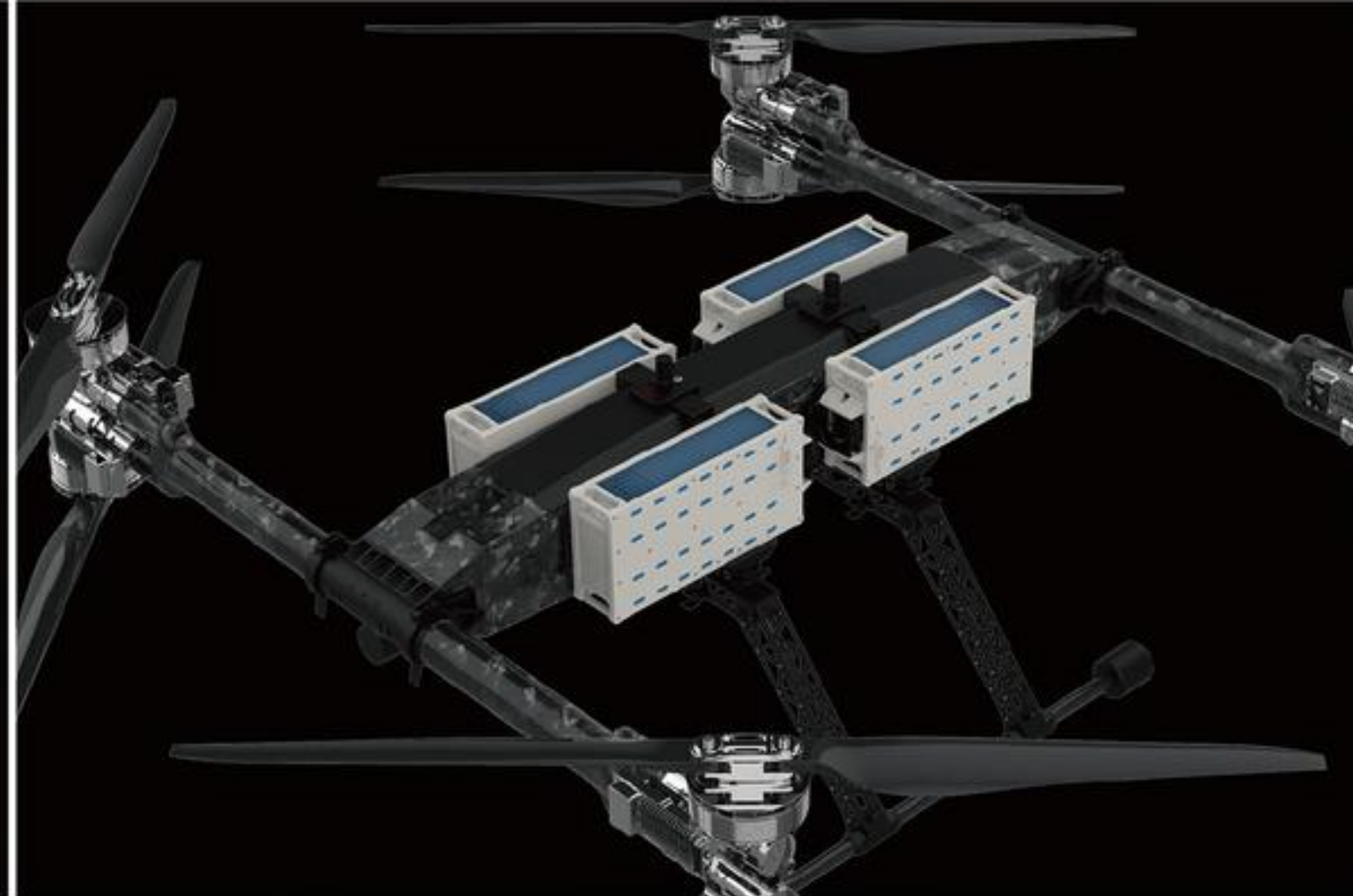
电芯重量 261g

最大持续充电倍率 1C

最大持续放电倍率 3C

循环寿命 ≥1500 cycles

型号	标称容量 (Ah)	电压 (标称/满电/截止, V)	标称能量 (Wh)	重量 (kg)	尺寸 (mm)	标准充电倍率 / 电流 (C/A)	标准放电倍率 / 电流 (C/A)	最大持续充电倍率 / 电流 (C/A)	最大持续放电倍率 / 电流 (C/A)	最大脉冲放电倍率 / 电流 (C/A)
ZS280-20-31	20	10.8 / 13.05 / 7.5	216	1.013	20.5×87×187	0.33C / 6.6A	0.33C / 6.6A	1C / 20A	3C / 60A	5C(30s) / 100A
ZS280-20-32	40	10.8 / 13.05 / 7.5	432	1.944	40.9×87×187	0.33C / 13.2A	0.33C / 13.2A	1C / 40A	3C / 120A	5C(30s) / 200A
ZS280-20-61	20	21.6 / 26.1 / 15	432	1.896	40.9×87×187	0.33C / 6.6A	0.33C / 6.6A	1C / 20A	3C / 60A	5C(30s) / 100A
ZS280-20-62	40	21.6 / 26.1 / 15	864	3.707	81.8×87×187	0.33C / 13.2A	0.33C / 13.2A	1C / 40A	3C / 120A	5C(30s) / 200A
ZS280-20-71	20	25.2 / 30.45 / 17.5	504	2.19	47.7×87×187	0.33C / 6.6A	0.33C / 6.6A	1C / 20A	3C / 60A	5C(30s) / 100A
ZS280-20-72	40	25.2 / 30.45 / 17.5	1008	4.294	95.5×87×187	0.33C / 13.2A	0.33C / 13.2A	1C / 40A	3C / 120A	5C(30s) / 200A
ZS280-20-121	20	43.2 / 52.2 / 30	864	3.662	81.8×87×187	0.33C / 6.6A	0.33C / 6.6A	1C / 20A	3C / 60A	5C(30s) / 100A
ZS280-20-122	40	43.2 / 52.2 / 30	1728	7.231	163.7×87×187	0.33C / 13.2A	0.33C / 13.2A	1C / 40A	3C / 120A	5C(30s) / 200A
ZS280-20-181	20	64.8 / 78.3 / 45	1296	5.428	122.8×87×187	0.33C / 6.6A	0.33C / 6.6A	1C / 20A	3C / 60A	5C(30s) / 100A
ZS280-20-182	40	64.8 / 78.3 / 45	2592	10.755	245.5×87×187	0.33C / 13.2A	0.33C / 13.2A	1C / 40A	3C / 120A	5C(30s) / 200A
ZS280-20-241	20	86.4 / 104.4 / 60	1728	7.194	163.7×87×187	0.33C / 6.6A	0.33C / 6.6A	1C / 20A	3C / 60A	5C(30s) / 100A
ZS280-20-242	40	86.4 / 104.4 / 60	3456	14.28	327.4×87×187	0.33C / 13.2A	0.33C / 13.2A	1C / 40A	3C / 120A	5C(30s) / 200A
ZS280-20-281	20	100.8 / 121.8 / 70	2016	8.371	191×87×187	0.33C / 6.6A	0.33C / 6.6A	1C / 20A	3C / 60A	5C(30s) / 100A
ZS280-20-282	40	100.8 / 121.8 / 70	4032	16.629	381.9×87×187	0.33C / 13.2A	0.33C / 13.2A	1C / 40A	3C / 120A	5C(30s) / 200A





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