



EONVEX™

BATTERY

PRODUCT BROCHURE

powering mobility beyond limits

AIR • LAND • MARINE • ROBOTICS



ONE ENERGY PLATFORM

for intelligent mobility across every mission

ABOUT XELL ENERGY

ADVANCED BATTERY TECHNOLOGY, BUILT FOR REAL-WORLD MISSIONS

INNOVATION FROM SILICON VALLEY

Headquartered in Silicon Valley, USA, with operations spanning the United States and China, XELL Energy is a leader in the research, development, and manufacturing of next-generation high-performance batteries. Leveraging advanced technologies originally developed by IBM, the company combines materials science, cell design, process engineering, and scalable manufacturing to deliver differentiated energy solutions.

Built on IBM's patented battery technology platform, XELL Energy continues to advance semi-solid and solid-state battery systems, achieving industry-leading energy densities of more than 500 Wh/kg. These breakthroughs enable superior performance while supporting long-term sustainability goals.

Highly customized EONVEX™ battery solutions serve drones, low-altitude aircraft, robotics, electric cargo vehicles, and premium portable power systems.

CORE CAPABILITIES

ENERGY DENSITY
>500 Wh/kg

DISCHARGE RATE
Up to 150C

TEMPERATURE
-40°C to 60°C

CYCLE LIFE
>500

SEMI-SOLID + SOLID-STATE PLATFORM

COMMERCIALLY AVAILABLE + CUSTOMIZED SOLUTIONS WITH BMS

1S / 2S / 4S / 6S / 7S / 8S / 12S / 14S / 16S

EONVEX™

APPLICATIONS

DRONES • LOW-ALTITUDE AIRCRAFT • ROBOTICS • ELECTRIC CARGO VEHICLES • PREMIUM PORTABLE POWER

XELL ENERGY INC.

COMMERCIALLY AVAILABLE HIGH-ENERGY EONVEX™ BATTERY PACKS

CONFIGURABLE POWER PLATFORMS FOR UNMANNED SYSTEMS, ROBOTICS AND ADVANCED MOBILITY

ENERGY DENSITY	420 Wh/kg	CAPACITY	5-66 Ah	CONFIGURATION	1S-16S	PEAK OUTPUT	Up to 30C
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PRODUCT SERIES	AVAILABLE CELL CAPACITY	CELL VOLTAGE	PACK OPTIONS	MAX. CONTINUOUS DISCHARGE	PEAK DISCHARGE
420 Wh/kg MAXIMUM ENDURANCE	24 / 30 / 45 / 50 / 60 Ah Rated capacity options	3.4 V	1S / 2S / 4S 6S / 7S / 8S 12S / 14S / 16S	2C	≥5C
400 Wh/kg LONG-RANGE PLATFORM	30 / 45 / 50 / 60 Ah Rated capacity options	3.5 V	1S / 2S / 4S 6S / 7S / 8S 12S / 14S / 16S	2C	≥5C
350 Wh/kg POWER + ENERGY	30 / 36 / 45 / 50 / 60 Ah Rated capacity options	3.7 V	1S / 2S / 4S 6S / 7S / 8S 12S / 14S / 16S	5C	≥10C
300 Wh/kg HIGH-POWER PLATFORM	5 / 10 / 30 / 45 / 50 / 60 / 66 Ah Rated capacity options	3.7 V	1S / 2S / 4S 6S / 7S / 8S 12S / 14S / 16S	5C	≥20C
250 Wh/kg ULTRA-HIGH POWER	5 / 10 / 15 / 20 / 25 / 30 Ah Rated capacity options	3.7 V	1S / 2S / 4S 6S / 7S / 8S 12S / 14S / 16S	15C	≥30C

APPLICATIONS

DELIVERY DRONES • INDUSTRIAL UAVs • UNMANNED SURFACE VESSELS • MOBILE ROBOTS • INTELLIGENT EQUIPMENT

Nominal pack voltage and energy depend on the selected series, configuration and capacity. Final specifications are application-dependent.

EXAMPLES OF UAV BATTERY SOLUTIONS

EONVEX™ HIGH-ENERGY PACKS FOR UNMANNED AERIAL SYSTEMS

PACK OPTIONS

12 Ah / 24 Ah / 60 Ah

CONFIGURATIONS

10S / 14S

MARKED DISCHARGE

5C - 20C

EONVEX™ 12Ah

10S | 20C



MODEL

XEL5560165A12Ah-10S1PX6N

VOLTAGE

36 V

CAPACITY

12 Ah

ENERGY

432 Wh

DIMENSIONS

55 x 60 x 175 mm

EONVEX™ 24Ah

14S | 5C



MODEL

XEL12070117A24Ah-14S1PX6N

VOLTAGE

47.6 V

CAPACITY

24 Ah

ENERGY

1,142.4 Wh

DIMENSIONS

70 x 138 x 150 mm

EONVEX™ 60Ah

14S | 5C



MODEL

XEL10133202A60Ah-14S1PN0N

VOLTAGE

49 V

CAPACITY

60 Ah

ENERGY

2,940 Wh

DIMENSIONS

141.6 x 148.1 x 291.0 mm

EONVEX™ UAV POWER

FLEXIBLE PACKS AND ENCLOSED BATTERY SYSTEMS

MISSION-READY FORM FACTORS

Specifications are transcribed from the product markings shown in the supplied images.

AERIAL LOGISTICS

POWERED BY EONVEX™ BATTERY



MISSION PROFILE

PAYLOAD CAPABILITY

50

kg

FLIGHT RANGE

50

km

CUSTOMER

Package delivery

Application data supplied by customer

ENGINEERED FOR MORE PAYLOAD AND LONGER RANGE

LET'S POWER YOUR NEXT MISSION.

XELL ENERGY INC.

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