

Europe Drone Battery Market Forecast to 2028 - COVID-19 Impact and Regional Analysis by Drone Type (Mini Quad and Micro Quad), Battery Type (NiCad, NiMH, and LiPo), Battery Capacity (Below 3,000 mAh, 3,000-5,000 mAh, 5,000-10,000 mAh, and Above 10,000 mAh), and Industry (Agriculture & Forestry, Infrastructure Inspection, Utilities, Construction, Mining, and Others)

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Abstracts

The Europe drone battery market was valued at US\$ 209.12 million in 2022 and is projected to reach US\$ 487.66 million by 2028; it is expected to grow at a CAGR of 15.2% from 2022 to 2028.

Limited Charging Capacity of Drone Batteries is Driving the Europe Drone Battery Market

Drone battery endurance is one of the major issues for the drone industry. A drone battery with a good charging capacity can resolve this issue. Charge capacity is the amount of energy used in charging a battery. Mini and micro drones used for surveying and mapping in several applications, such as construction, mining, and agriculture, require battery capacities ranging from 10,000 mAh to 15,000 mAh. These drones use rechargeable batteries. Therefore, companies are engaged in providing good battery charging solutions. For instance, according to GensTattu, in January 2022, Tattu launched NMC 532 fast-charging battery for drones. These batteries are made with a 15% reduction in weight which improves their performance. One of the main features of these batteries is their specialist cathode ratio, which improved the battery efficiency by

60%. Mini and micro drones are used for up to 1 hour which get charged with limited charging capacity. Thus, the limited charging capacity required for drone batteries, coupled with manufacturers launching advanced battery solutions, is driving the drone battery market.

Europe Drone Battery Market Overview

The Europe drone battery market is segmented into France, Germany, Italy, the UK, Russia, and the Rest of Europe. A few of the major players operating in the drone battery market include AMICELL-AMIT INDUSTRIES, Parrot Drone SAS, and RRC power solutions GmbH. These market players provide drone batteries for commercial applications such as mining, agricultural, and photography applications.

Due to various advancements in drone technologies, drone manufacturers are now providing a wide range of drone models in various specifications such as sizes and weights for several applications, which is contributing to the Europe drone industry. With the growth in the drone industry, mini quad and micro quad drones are changing the way of surveying land and fields compared to traditional ones. Thus, its application across several industries is also growing, which contributes to the rise in demand for drone batteries. In addition, market players are engaged in adapting various initiatives to boost the drone battery market. For instance, in September 2022, RRC power solutions GmbH adopted a dual-sourcing strategy to avoid supply shortages. They have developed 'identical solutions' to its existing standard battery packs of RRC2054. The company provides batteries with a capacity of 3,400mAh. Thus, such initiatives and strategies are expected to drive the use of these batteries in drones and positively impact the drone battery market in the coming years.

Europe Drone Battery Market Revenue and Forecast to 2028 (US\$ Million)

Europe Drone Battery Market Segmentation

The Europe drone battery market is segmented into drone type, battery type, battery capacity, industry, and country.

Based on drone type, Europe drone battery market is segmented into mini quad and micro quad. The mini quad segment held the largest market share in 2022.

Based on battery type, Europe drone battery market is segmented into below NiCad, NiMH, and LiPo. The LiPo segment held the largest market share in 2022.

Based on battery capacity, Europe drone battery market is segmented into below 3,000 mAh, 3,000-5,000 mAh, 5,000-10,000 mAh, above 10,000 mAh. The below 3000 mAh segment held the largest market share in 2022.

Based on Industry, Europe drone battery market is segmented into agriculture and forestry, infrastructure inspection, utilities, construction, mining, others. The agriculture and forestry segment held the largest market share in 2022.

Based on country, the Europe drone battery market is segmented into Germany, France, Italy, the UK, Russia, and the Rest of Europe. France dominated the market in 2022.

Parrot Drone SAS; Shenzhen Grepow Battery Co Ltd; RRC Power Solutions; and SZ DJI Technology Co Ltd are the leading companies operating in the Europe drone battery market.

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