

South America Drone Battery Market Forecast to 2028 -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 South America drone battery market was valued at US\$ 63.18 million in 2022 and is projected to reach US\$ 133.56 million by 2028; it is expected to grow at a CAGR of 13.3% from 2022 to 2028.

Introduction of Smart Batteries is Driving the South America Drone Battery Market

Industry players are engaged in introducing various technologies to ease workflow and boost productivity. The growing population worldwide is remarkably impacting the demand for the solutions from construction, agriculture, mining, and many other industries. To cater to this enormously increasing demand, industry players are engaged in using drones to save time and cost to generate more productivity in less time. For more efficient working, the inclusion of smart batteries in drones can help boost the market. Intelligent battery systems (IBS) can help improve the reliability, safety, and efficiency of drones. IBS provides accurate and robust information about the state of the battery, and it can control the current flow. It can perform advanced functions such as energy balancing strategies and fault diagnostics for better energy storage systems. This technology helps monitor battery health, track cycle counts, and

record the discharge profiles. It also helps provide a longer flight time. It keeps a record of minimum and maximum voltage and current. With the increasing demand for drones, the need for more flight time with the same battery capacity is also increasing. Power management with the help of smart batteries increases the flight time of drones. Thus, the introduction of smart batteries with intelligent battery systems is expected to be a trend in the drone battery market.

South America Drone Battery Market Overview

Based on country, the South America drone battery market is segmented into Brazil, Argentina, and the Rest of South America. As drones offer various benefits, their demand is increasing tremendously in the South America market. Countries in South America, including Brazil, Argentina, and Chile, are major contributors to agricultural exports. Therefore, adopting technologies to keep this region's agricultural sector on the rise is crucial to boost the drone battery market growth. As drone technology helps optimize decision-making in the agriculture sector, it can be widely used to detect pests and insects and survey the field. Thus, the adoption of drones in agricultural activities is expected to provide a lucrative opportunity for the drone battery market. According to Volatus Aerospace Corp report in April 2022, the adoption of drones for applications such as construction, agriculture, and mapping projects is increasing. DJI, one of the major market players in the drone battery market, and it has stores across the region. Thus, the rising use of drones in various sectors such as agriculture and the strong presence of drone battery players are expected to contribute to the growth of the South America drone battery market during the forecast period.

Exhibit: South America Drone Battery Market Revenue and Forecast to 2028 (US\$ Million)

South America Drone Battery Market Segmentation

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

Based on drone type, South America 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, South America 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, South America 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, South America 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 South America drone battery market is segmented into Brazil, Argentina, and the Rest of South America. Brazil dominated the market in 2022.

Amperex Technology Ltd; Autel Robotics Co Ltd; Shenzhen Grepow Battery Co Ltd; and SZ DJI Technology Co Ltd are the leading companies operating in the South America drone battery market.

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