

Middle East & Africa 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 Middle East & Africa drone battery market was valued at US\$ 38.77 million in 2022 and is projected to reach US\$ 78.42 million by 2028; it is expected to grow at a CAGR of 12.5% from 2022 to 2028.

Introduction of Smart Batteries is Driving the Middle East & Africa 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.

Middle East & Africa Drone Battery Market Overview

Based on country, the Middle East & Africa drone battery market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The region has experienced an increase in the adoption of drones for various applications, including agriculture and construction. Countries in the Middle East & Africa have started using drones for surveillance and monitoring. In addition, there are several standards associated with lithium-ion battery-powered drones, which is one of the key factors for market growth. Deploying safe and good quality drones under certain standards ensures their safe use and purchase by various end users. Furthermore, in December 2017, a drone registration system was launched on Emirates Standards and Metrology Authority (ESMA) website. The registration needs to be done by distributors, manufacturers, and importers of drones for their use, safety, and distribution. After the registration, the drone gets a unique serial number linked to the distributor and manufacturer and gets ESMA certification that legalizes its selling in the country. Therefore, in case of any problem or issue, the full information regarding the drone's production and manufacturer can be tracked. Thus, such government initiatives to ensure safe and systematic use of drones in the region boosts their adoption among consumers, further boosting the use of drone batteries.

Exhibit: Middle East & Africa Drone Battery Market Revenue and Forecast to 2028 (US\$ Million)

Middle East & Africa Drone Battery Market Segmentation

The Middle East & Africa drone battery market is segmented into drone type, battery type, battery capacity, industry, and country.

Based on drone type, Middle East & Africa 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, Middle East & Africa 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, Middle East & Africa 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, Middle East & Africa 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 Middle East & Africa drone battery market is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. The Rest of Middle East & Africa dominated the market in 2022.

AMIT industries Ltd; Amperex Technology Ltd; Parrot Drone SAS; and Shenzhen Grepow Battery Co Ltd are the leading companies operating in the Middle East & Africa drone battery market.

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