BRAX TECHNOLOGIES

BraX3 laboratory test summary

Electrical and mechanical safety testing • Report LCSA11204232S

This Brax-authored summary describes selected tests recorded in the safety report issued on 31 March 2025 by Shenzhen LCS Compliance Testing Laboratory Ltd. The report assesses submitted BraX3 samples against EN IEC 62368-1:2020+A11:2020. Its results concern those samples and test conditions.

Mechanical and thermal tests

Test	Recorded conditions and outcome	Reference
Static force	100 N applied for 5 seconds at the enclosure top, side and bottom. The report records a pass and an intact enclosure.	p. 48; T.4
Drop	1,000 mm drop height for the listed top, side and bottom locations. The report records a pass, with the enclosure remaining intact.	pp. 48–49; T.7
Thermal stress relief	Whole unit held at 70 °C for 7 hours. The report records a pass and no enclosure cracking or opening.	p. 49; T.8
Operating temperatures	Measurements in charging and discharging modes. The temperature table records a pass against the listed safety limits.	p. 43

Electrical and battery safeguards

Test	Recorded outcome	Reference
Input	Charging input measured at 5 V, 1.89 A. The input test records a pass.	p. 44; B.2.5
Abnormal operation and faults	The listed component shorts, battery-related faults, locked motor and speaker fault conditions record a pass.	p. 45; B.3/B.4
Battery protection	Protection-circuit testing records a pass for the stated normal and fault conditions.	p. 46; M.3
Charging safeguards	The report records current falling to 0 A at a battery-surface temperature of 52 °C and approximately 0.001 A at 0 °C, repeated three times; verdict P.	p. 47; M.4.2

Scope of these results

These are safety tests, not a complete durability programme. The drop result does not establish a repeated-free-fall class or guarantee survival of accidental drops. Static force testing is not water-pressure testing. Thermal stress relief is not a consumer operating-temperature specification. No USB endurance, battery cycle-life or ingress-protection rating is claimed by this summary.

Source: LCSA11204232S, EN IEC 62368-1:2020+A11:2020, 31 March 2025, pages 43–49. This document presents original factual summaries; it is not a reproduction of the report or a laboratory-issued certificate.