



iDevices Tecnologia

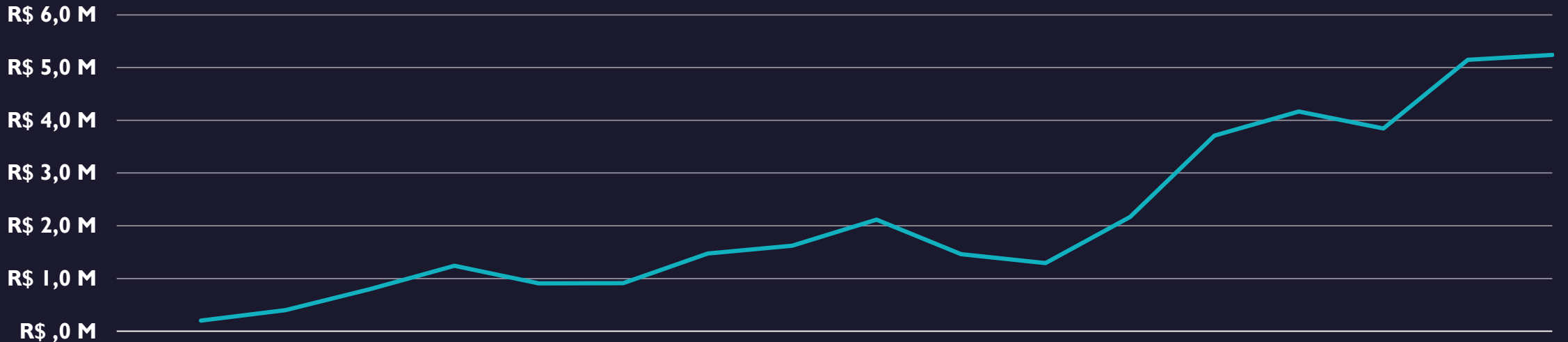


Introduction

- iDevices was founded in 2004 with the aim of developing solutions for battery testing and production. Our company has an experienced and qualified team that seeks the same objective: excellence.
- Our products are designed to be robust, reliable, and accurate. During the production process, the equipment undergoes several quality controls, and it is constantly evolving.

History and Revenue

Revenue



iDevices foundation

- Moving to a new Building in São Caetano do Sul
- Start OEM manufacturing

iDFBC View 1st release

- 1st FENIBAT
- Start ODM Manufacturing
- iDCLT View 1st release

Start sales to South America

New product line for Lithium tests

Achieve 52% of market share in Brazil

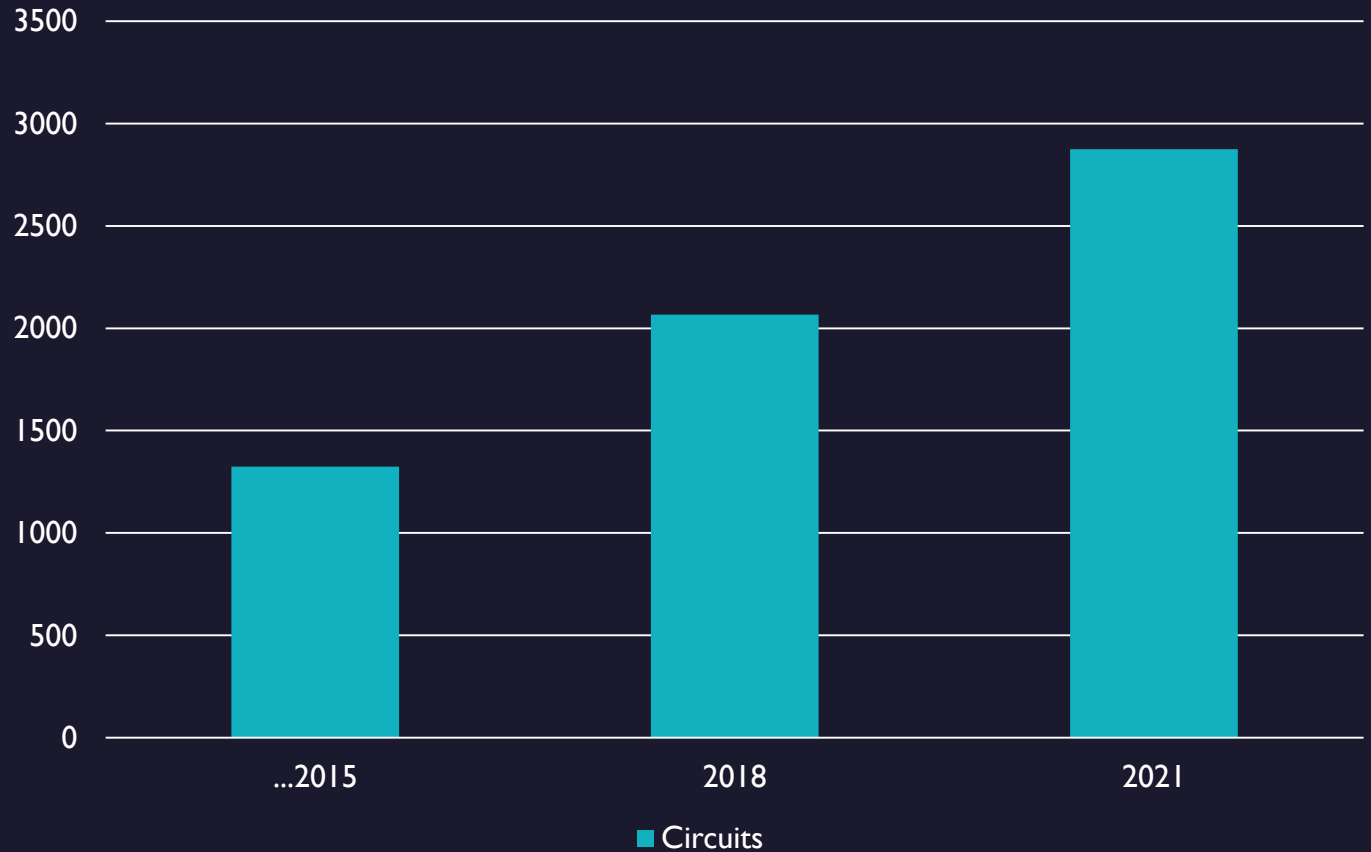
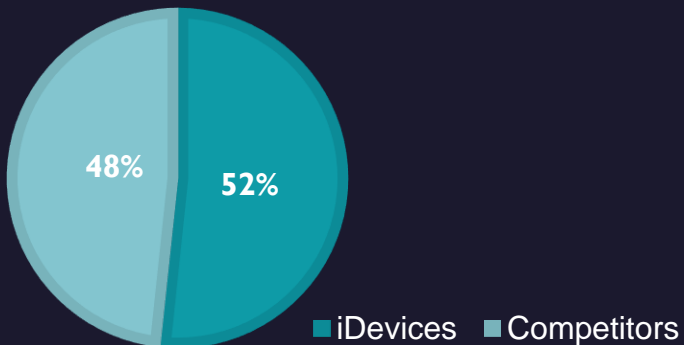
Formation Circuits

- Over 2800 iDevices Formation circuits in Brazil

- Over 300 iDevices Formation circuits in South America

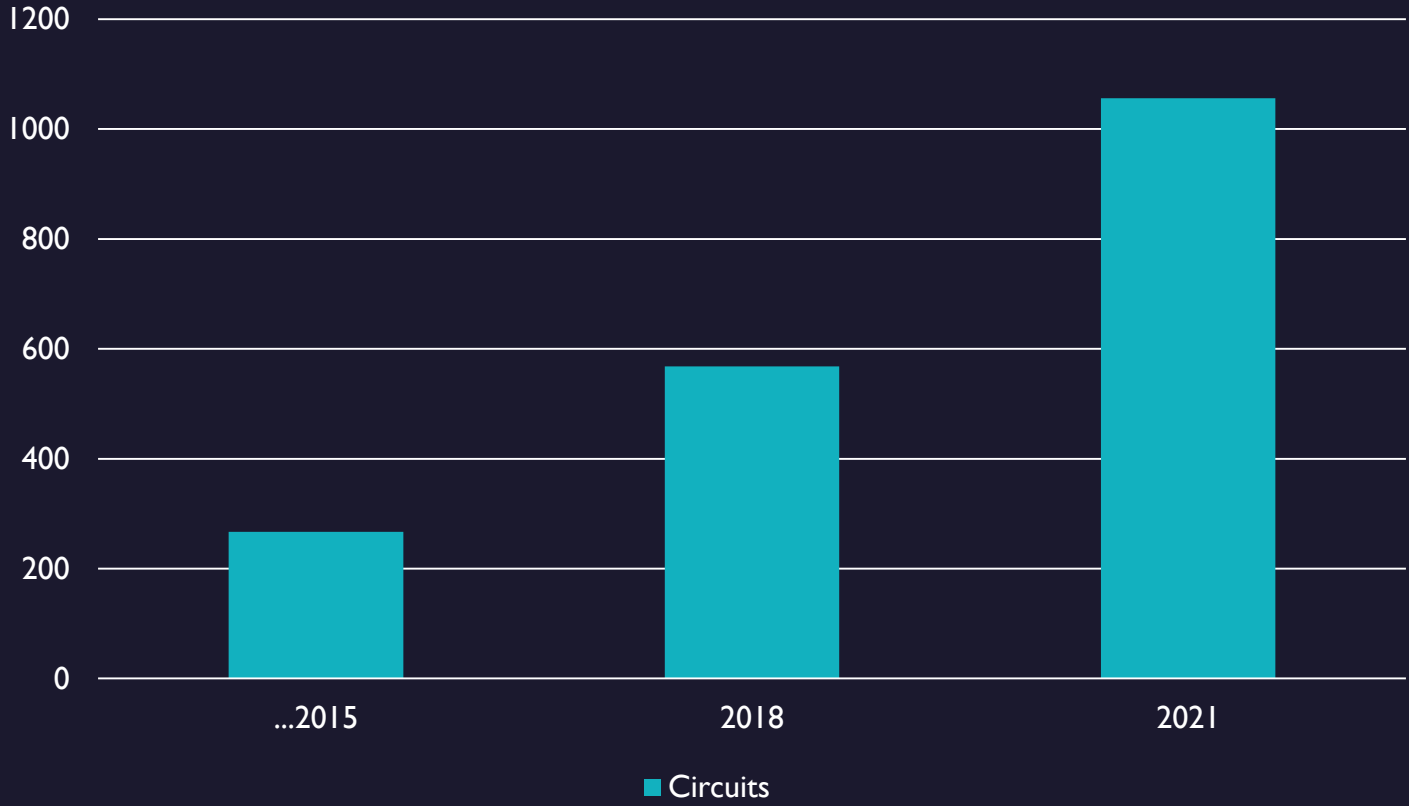
- Each circuit can form about 22 batteries in series, in Brazil
iDevices can produce 23 Million batteries a year.

**BATTERY FORMATION IN BRAZIL
2021**



Test Circuits

- Over 1100 iDevices Test Circuits in Brazil
- Over 60 iDevices Test Circuits in South America
- R&D Centers in Brazil and South America
- Battery manufacturers



iDCLT

The iDCLT was developed to meet the needs of testing laboratories, where accuracy, reliability, and robustness are essential.

The iDCLT equipment is present in main battery manufacturers, test laboratories, and R&D centers in Brazil, becoming the smartest solution for product development and improvement.

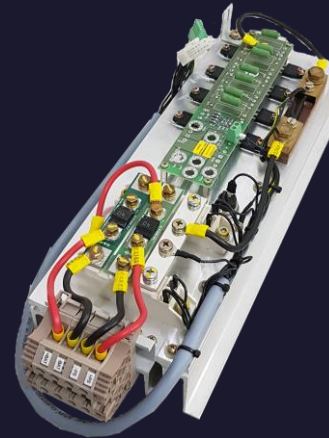
Application:

- Cycle test with a high sampling rate
- Performance tests, (C10, C20, RC...)
- Start Stop tests.
- Regenerative systems simulation.
- Charging and discharging tests
- EV Drivers simulation.
- Water consumption and corrosion tests.
- Formation tests
- Charge acceptance tests.

General Specification:

Voltage → 0 up to 100V
Current → up to 300A

Other ranges and specifications can be available on request



iDCLT HR

The iDCLT-HR equipment is destined to run tests in the production line in order to detect manufacturing issues, bad assembling, poor welding, bad formation, and others. The iDCLT-HR is also used in test laboratories that require high accuracy and repeatability in the tests. The IDCLT can discharge batteries of 12V with currents up to 3000A and optionally cells of 2V individual or in series.

Application:

- Crank tests
- Discharge tests
- Supercapacitors tests
- EV drivers' simulation.
- DC Resistance measurement.
- Able to run tests according to the test specifications: ABNT 15940, EN 50342-1, EN 50342-6, SAE J2801, SAE J2185 and others.



General Specification:

Voltage ⇒ 0 up to 36V
Current ⇒ up to 3000A

Other ranges and specifications can be available on request



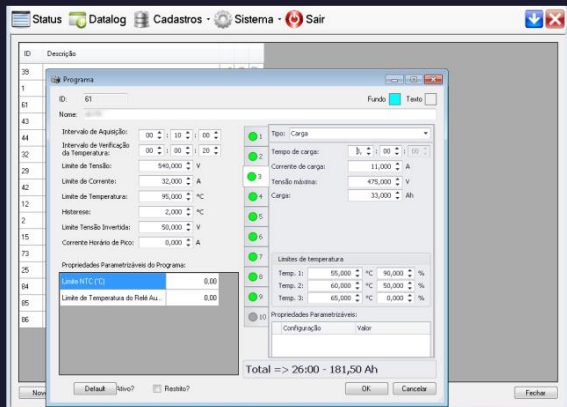
iDFBC

The iDFBC equipment is present in the main battery manufacturers, becoming the most efficient solution to battery formation. The iDFBC equipment is dedicated to the formation and recharge of batteries, of different technologies and capacities, it is developed in different current and voltage levels, adjusting the equipment to the battery need.



Application:

- Cell or battery formation.
- Cell or battery recharge.



General Specification:

- Voltage → 0 up to 550V
- Recharge Current: → up to 300A
- Discharge Current: → up to 10A
- Regenerative Discharge: → up to 300A

Other ranges and specifications can be available on request

iDCLT Lithium for Cell or Pack

The iDCLT-L equipment is renowned for leading battery manufacturers and resource centers in Brazil, becoming the smartest solution for battery development and testing.

The iDCLT-L was developed to meet the needs of most modern LI-Ion testing laboratories, it's capable of testing batteries of different technologies and capacities. Can also be used to test supercapacitors.



Application:

- Cycle test with a high sampling rate
- Capacity tests
- EV systems simulation
- Recharge and discharge tests
- Cell simulation
- Pack simulation
- DC load simulation
- Supercapacitors tests



General Specification:

Voltage: → 0 up to 800V
Current: → up to 2040A
Power per panel: → up to 144KW

Other ranges and specifications can be available on request

Customers



iDevices around the world



iDevices Technology is present in the main battery manufacturers in Brazil and South America, becoming a reference in equipment to test and form batteries.



iDevices powering the future