

Formation

# iDFBC PANELS

More formations in less time



- *More than 2500 channels in operation with high availability*
- *Stability and control, resulting in less time in the formation process.*
- *Low maintenance level, individual modules easy to remove.*
- *Output inductors, less oscillation, more accuracy.*
- *Developed to the formation of lead-acid batteries of many capacities.*
- *Individual channels with internal memory to save data and programs.*
- *High-speed protection system. More safety to the operators.*

*iDevices Technology,  
accuracy and reliability,  
charging and testing  
your battery.*



[www.idevices.com.br](http://www.idevices.com.br)

# iDFBC – Formation Battery Charger



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.

The iDFBC equipment is present in the main battery manufacturers, becoming the most efficient solution to battery formation.

## KEY FEATURES

- Software iDFBC View - The most modern solution to the management of formation and recharge, smart interface, customizable and complete.
- Isolating transformer with secondaries isolated.
- Formation in series or individual for cell formation.
- Air-cooled panel, possibility to exhaust the hot air out of the room.
- Discharges controlled by PWM.
- Protection system to disconnect the battery when it is not in use.
- Emergency button with safety relay.
- Temperature monitoring system.
- Calibration by software.
- Rectifiers thyristorized or switched by IGBT in high frequency and high power factor.



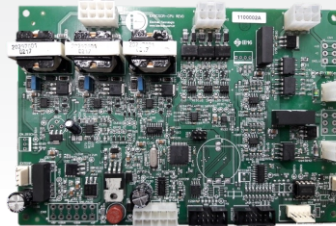
## APPLICATIONS

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



## GENERAL SPECIFICATIONS

- Voltage → 0 up to 550V
- Recharge current → up to 300A
- Discharge current → up to 10A
- Regenerative discharge → up to 300A
- Channel by panel → up to 40
- Accuracy → ≤ 1% FS
- Sampling → 1s



» Other ranges and specifications can be available on request

