

High-rate Discharge

iDCLTHR PANELS

The reliability that you need



- *End of line tests, with constant current in all voltage ranges.*
- *The same equipment to CCA tests in the laboratory.*
- *Optional auto adjustment system, to set limits approved or not approved.*
- *Easy operation with dedicated software.*
- *Check open voltage, final voltage, 2 intermediate points, and delta voltage.*
- *Output signals available to process automatization.*
- *Different voltage and current ranges. Bipolar operation.*

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



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iDCLT-HR – High-Rate Discharger



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 2V cells, individual or in series.

KEY FEATURES

- Software IDCLT View – The most modern solution for test management, smart interface, customizable and complete.
- Temperature monitoring system.
- Air-cooled.
- Flexible cables with a high current capacity.
- High sampling rate.
- Equipment can reach 0 Volts in discharge.
- Protection system to the operator, in case of explosions.
- Calibration by software.

APPLICATIONS

- 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 SPECIFICATIONS

Voltage	→	0 up to 36V
Current	→	up to 3000A
Accuracy	→	≤ 0.1% FS*
Slew-Rate	→	< 50ms
Sampling	→	100ms

» Other ranges and specifications can be available on request

*Accuracy values are conservative, considering the standard operation between 0 and 40°C. Units calibrated and maintained in a temperature and humidity controlled (20 to 25°C) can reach an accuracy of the order of 0.05%.

