

**Cycle Test**

# iDGLT-L PANELS

**The best solution to test Li-Ion Packs**



- *High tech equipment, accuracy and robustness*
- *Regenerative equipment, low power consumption*
- *Equipment customizable according to the customer's need*
- *Renowned for the leading manufacturers and certifying laboratories in Brazil.*
- *Developed to meet the latest test standards*
- *Extra channels to measure voltage and temperature.*
- *Pack test and supercapacitors*

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



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# iDCLT-L – Cycle Life Tester Lithium

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.

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

## KEY FEATURES

- Software IDCLT View – A modern solution for test management, smart interface, customizable and complete.
- Multiple channels for voltage and temperature monitoring.
- Reliable protection system, with many alarms that can be configured.
- Protections OPV, OCP, OPP, OTP, power fault, anti-island.
- Parallel mode, in order to increase the test current, more than one channel can be assigned to test the same battery or cell.
- Modular construction, one panel can be assembled with different capacity channels.
- Bidirectional: Power supply and DC load.
- High energetic efficiency, greater than 95%.



## APPLICATIONS

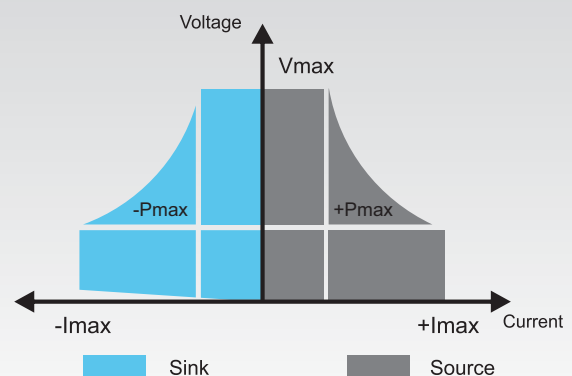
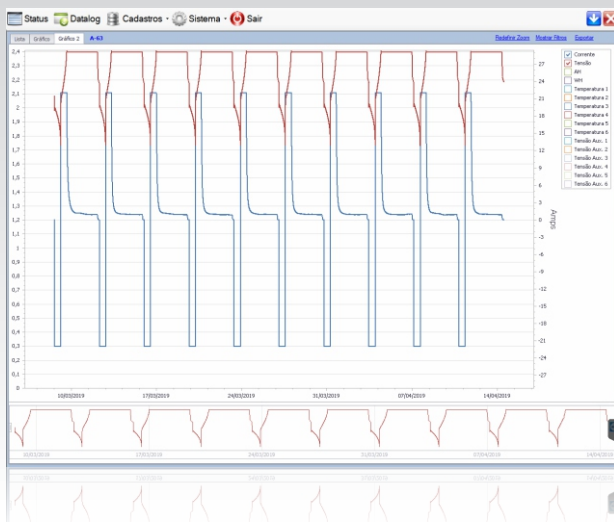
- Cycle test with a high sampling rate
- Capacity tests
- Recharge and discharge tests
- Cell simulation
- Pack simulation
- DC load simulation
- EV systems simulation
- Supercapacitors tests

## GENERAL SPECIFICATIONS

- Voltage → 0 up to 800V
- Current → 0 up to 2040A
- Power per panel → up to 144KW
- Channels per panel → up to 8
- Accuracy →  $\leq 0,1\%$  FS
- Slew-Rate →  $<50$ ms

» Other ranges and specifications can be available on request

	MODEL	CURRENT	POWER
<b>80V</b>	IDCLTL-R-PACK-80-150	150A	5KW
	IDCLTL-R-PACK-80-300	300A	10KW
	IDCLTL-R-PACK-80-450	450A	15KW
	IDCLTL-R-PACK-80-AAA	900A up to 2040A	30KW up to 120KW
<b>300V</b>	IDCLTL-R-PACK-300-75	75A	6KW
	IDCLTL-R-PACK-300-150	150A	12KW
	IDCLTL-R-PACK-300-225	225A	18KW
	IDCLTL-R-PACK-300-AAA	450A up to 1800A	36KW up to 144KW
<b>500V</b>	IDCLTL-R-PACK-500-40	40A	6KW
	IDCLTL-R-PACK-500-80	80A	12KW
	IDCLTL-R-PACK-500-120	120A	18KW
	IDCLTL-R-PACK-500-AAA	240A up to 960A	36KW up to 144KW
<b>800V</b>	IDCLTL-R-PACK-800-25	25A	6KW
	IDCLTL-R-PACK-800-50	50A	12KW
	IDCLTL-R-PACK-800-75	75A	18KW
	IDCLTL-R-PACK-800-AAA	150A up to 600A	36KW up to 144KW



Power curve of iDCLT-LITHIUM