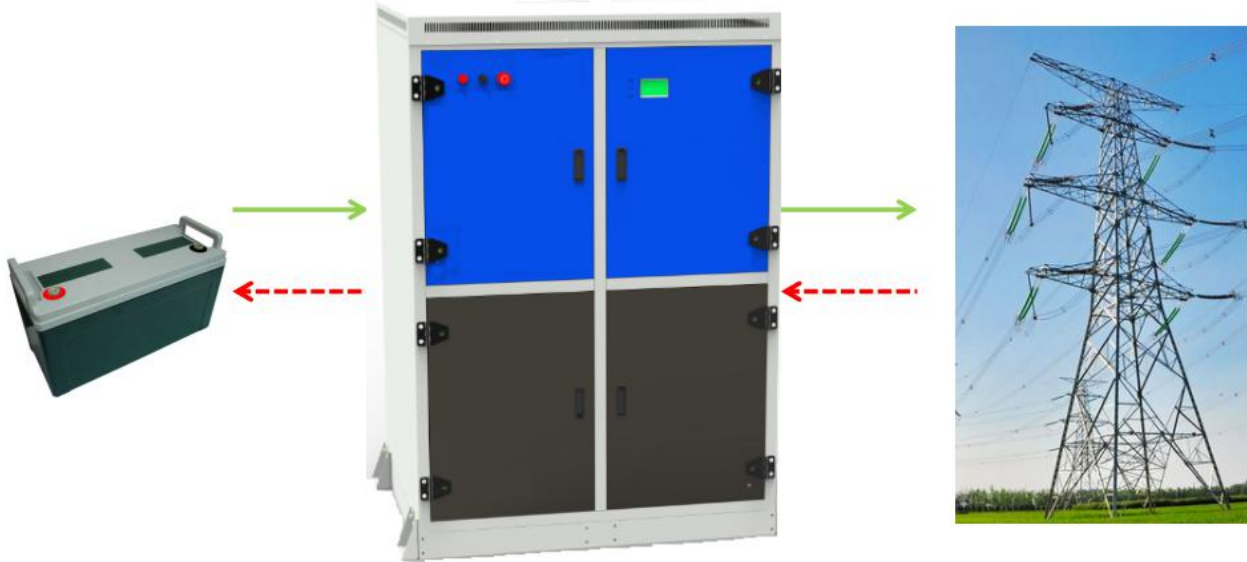


IGBT: Regenerative test equipment for battery packs



Neware IGBT series tester is designed for secondary battery modules and packs test. Accurate sources and measurements ensure the test quality that is suitable to perform repetitive and reliable tests that are crucial for battery modules and packs, for both incoming or outgoing inspections as well as capacity, performance, production and qualification testing.

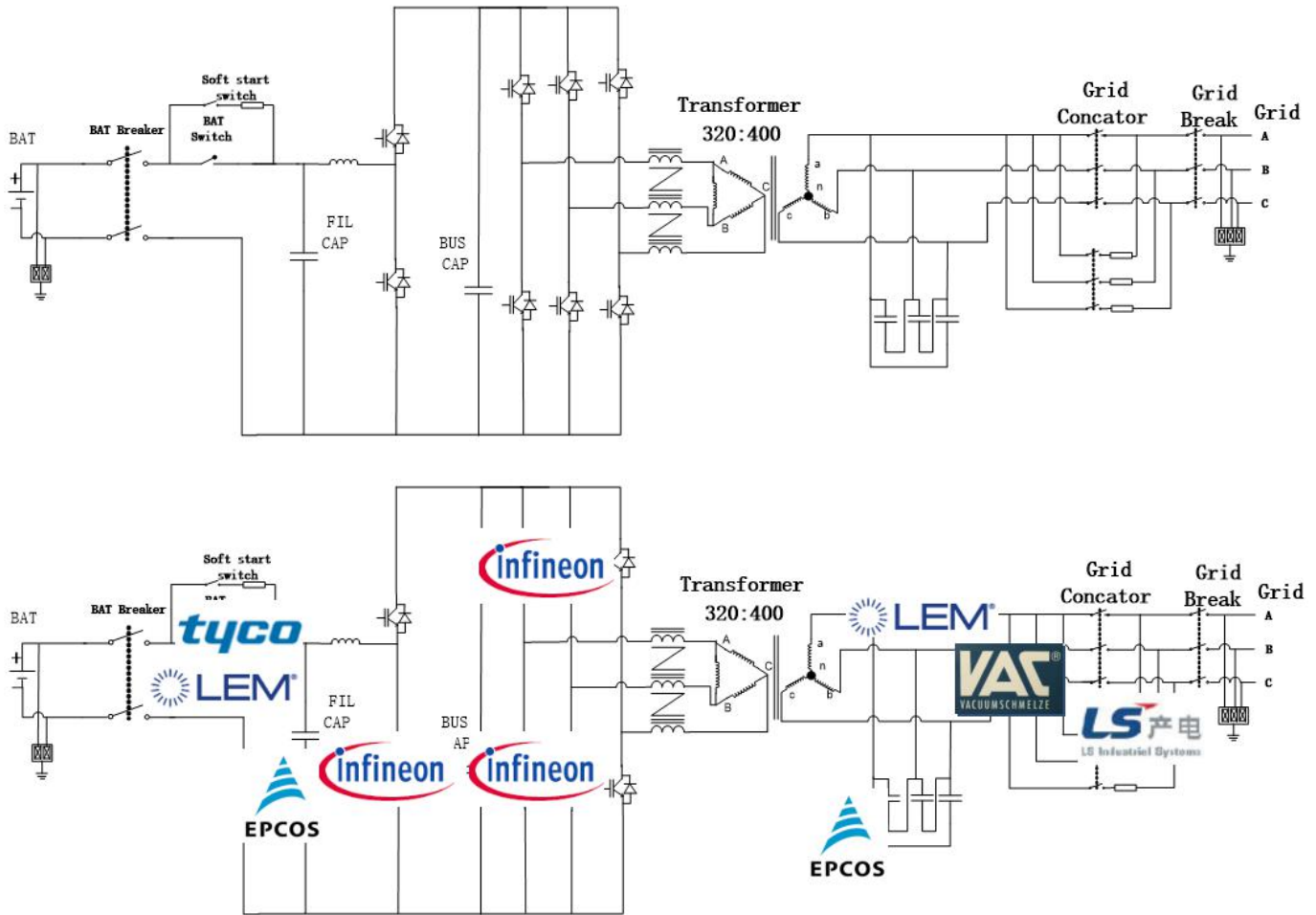
Different from legacy battery chargers, Neware IGBT is born with regenerative characteristic, the battery modules/packs discharged energy can be used by the charging channels or can be returned back to the power grid.

Features and Applications

- Various models available: from 100V100A up to 900V600A.
- Voltage range: 60 - 800V
- Current range: 100 - 1000A
- High accuracy($\pm 0.1\%$ of FS)
- Charging and discharging mode converts time: $\leq 10\text{ms}$
- Parallel mode: supported
- Up to 10Hz data record frequency
- Driving simulation mode: supported, up to 1 million lines of command
- Max. Regenerative efficiency: $\geq 94\%$
- Main applications : Charge, Discharge, Driving simulation, Cycle-life, C-Rate, etc;
- Every channel can be user programmed to operate in steps of CCC(Constant Current Charging), CVC(Constant Voltage Charging), CC&CVC(Constant Current & Constant Voltage Charging), CPC(Constant Power Charging), CCD(Constant Current Discharging), CPD(Constant Power Discharging), etc.
- Can bus communication support, system can get the temperature and cell voltage from battery pack BMS

- Voltage and temperature aux channels available
- Completely independent channels allow users to run multiple independent tests simultaneously without affecting other channels
- With the BTS client software, data is easily viewed both in plain text and plot/graph
- Diverse alligators and probe connection accessories for choose

Structural Layout and Vendors



All the essential parts of Neware IGBT are from world-wide famous vendors: Infineon, TYCO, Lem, EPCOS, etc.

Neware IGBT Test Equipment on Customers sites

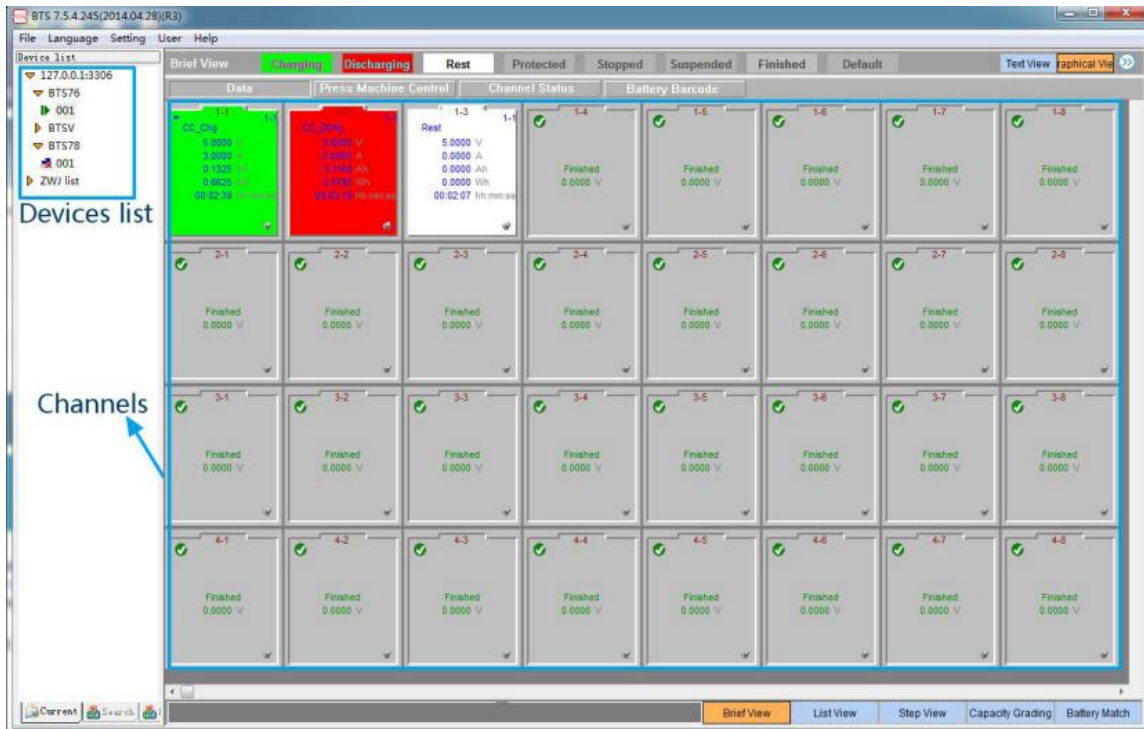


Neware IGBT Test Equipment Software Interfaces and Results View

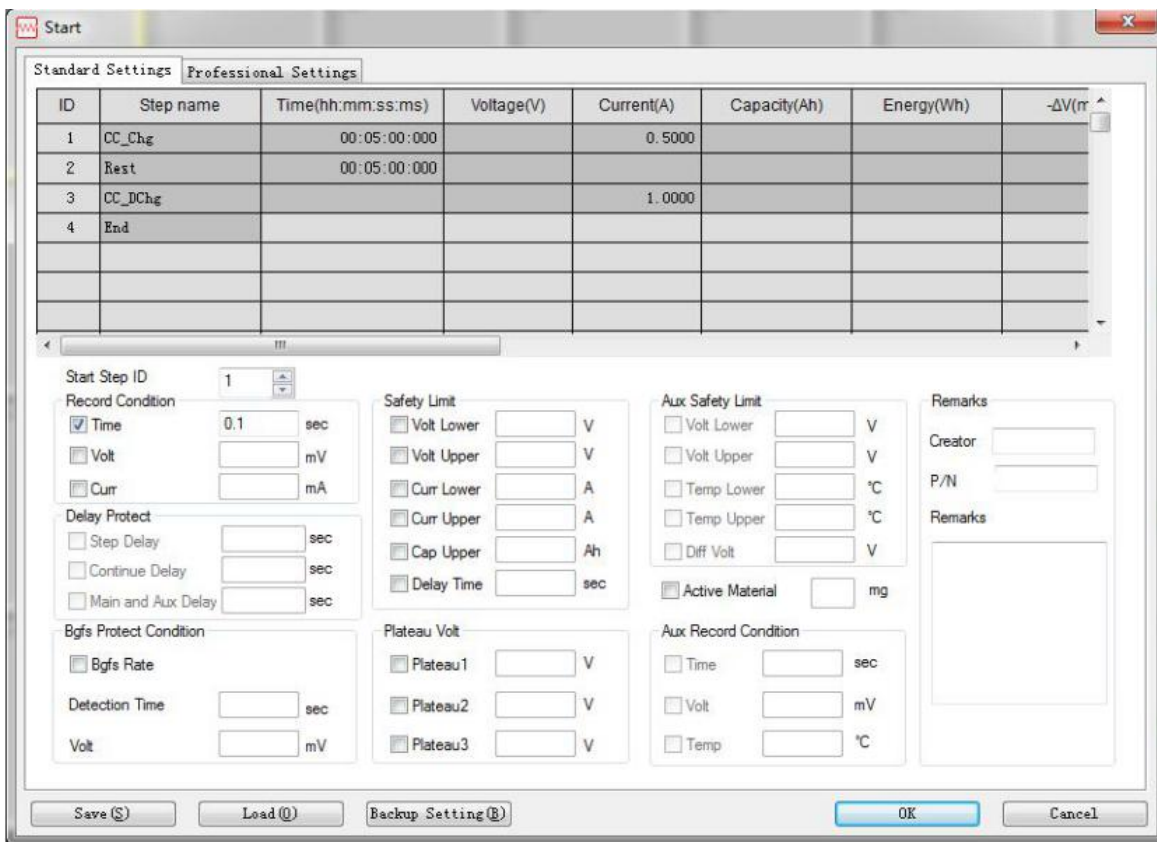
Neware IGBT shares the same software as Neware BTS4000 testers, the software is easy and intuitive to use. It's based on windows application and uses MySQL as the database.

By using Neware software, customers can easily manage from 1 tester up to hundreds of testers.

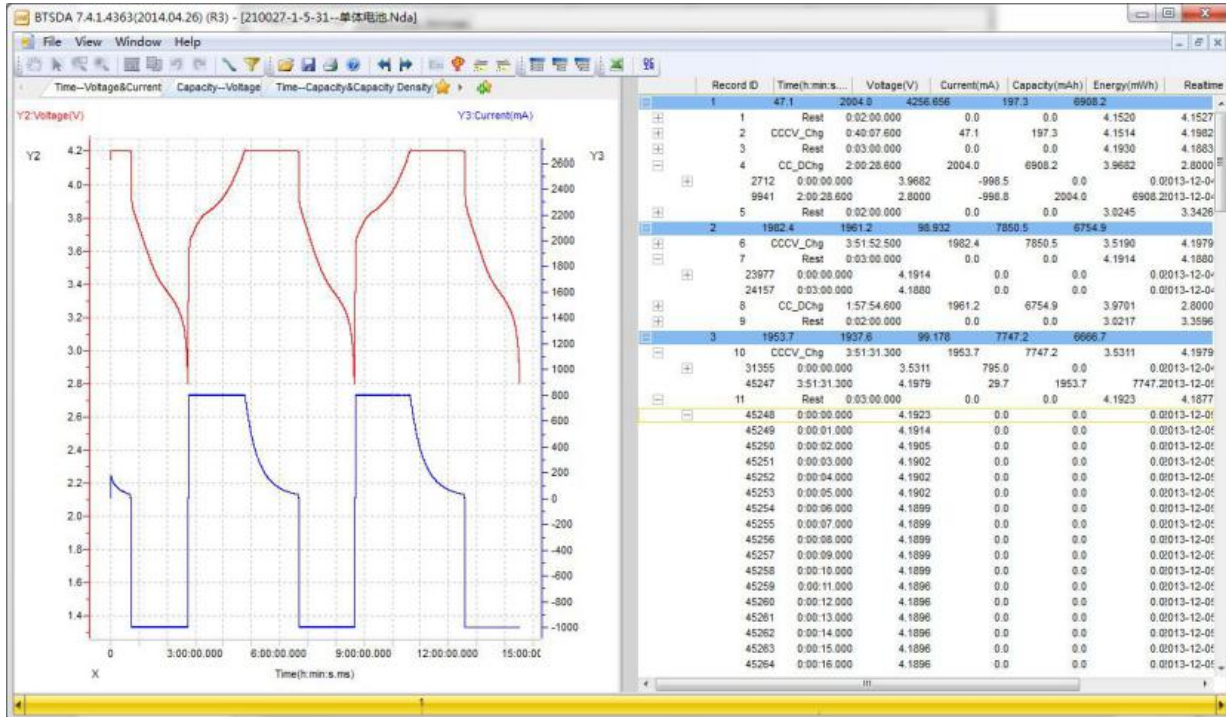
And there's also a free BTSDA software for users to view the testing result both in plain text and graph/plot.



Main window of the software, easily to operate(start up,pause,stop tests) and manage all devices and channels in graphic UI.



Testing steps editor window, supports various testing steps and supports loading testing samples.



Data and curve view window, easily to zoom in/out and export to other data formats.