

# 3310G Series DC Electronic Load

	Normal mode	Turbo mode
3310G	60V / 30A / 150W	60V / 90A / 450W
3311G	60V / 60A / 300W	60V / 180A / 900W
3312G	250V / 12A / 300W	250V / 36A / 900W
3314G	500V / 12A / 300W	500V / 24A / 600W
3315G	60V / 15A / 75W	60V / 60A / 300W



## Features

- 5 digital V / A / W Meter can be displayed on Large LCD display simultaneously.
- Flexible CC, CR, CV, CP, CC + CV, CP + CV, Dynamic and short circuit operation modes.
- Built-in test modes include Battery Discharge, BMS, Fuse/ Breaker Trip/Non-Trip, Short circuit, OCP, OPP test modes.
- Turbo mode can withstand up to 4 times the current and power electronic load within 1 sec. period , most fit Fuse/ Breaker and BMS 、Short circuit 、OCP 、OPP test.
- Provide battery BMS protection test function.
- Support MPPT CC 、CR 、CV test function for solar panel.
- Short circuit duration can be set within short circuit test.
- Can set the power-on status value.
- Voltage meter display can be configured as polarity positive ("+" or negative ("−") .
- Synchronous parallel execution function ( SYNC. Load on )
- Can be configured in the Mainframe of 3302G (single channel) 、3305G (dual channels) or 3300G (Quad channels) , each mainframe has up to 150 sets Store/Recall memory.
- Optional programmable NTC Resistor (installed in mainframe)
- Optional Interface : GPIB 、RS232 、USB 、LAN.
- Protection against V, I, W, and °C.
- Optional 9923 load current waveform generator to provide the battery actual discharge current waveform simulation.

## Descriptions

- Each 3310G Series module has its own control and display panel, CC/CR/CV/CP/Dynamic modes, plug in 3302G/3305G/3300G mainframe with 150 sets Store/Recall memory which provides load set-up more efficiently, also can be controlled via RS232 、Ethernet 、USB and GPIB interface 。
- The new Turbo mode is designed for overload or protection testing, which includes OCP, OPP, Short for AC/DC or DC/DC power source; Over Charge/Discharge and Short for Battery BMS protection; and Blow/Not Blow testing for Fuse, Breaker or PTC Current Protection Components.
- Support Short, OCCP and OCDP protection tests for battery BMS protection testing, the peak current before protection and protection response time are measured.
- BMS, Fuse, OCP and OPP single-key test functions on the module make test more efficient.
- Dynamic can be simulated under CC, CP mode. The current Rise / Fall slew rate can be adjusted individually and there is an external signal input so that load can have a simulated Specific Load Current Waveform, optional 9923 Load Current Waveform Generator is able to support real current waveform testing.
- SHORT duration setting and SHORT\_VH, SHORT\_VL setting function, also can measure Short Voltage and Current.
- Programmable LOAD ON/OFF voltage, GO/NG meter check, Voltage meter display “+” or “−” is selectable and 150 sets Store / Recall larger memory is much advance feature for each different application.
- 150 sets test parameter and status storage function can call the storage memory real time in accordance with the auto sequence requirement , at any time to tune out the stored memory for use.

## Applications

- Voltage / Current source SMPS transient response
- Voltage Source Current limit testing and battery emulation for Charger testing
- Battery discharge capacity
- Lithium battery BMS charge and discharge protection
- Fuse , Breaker , PTC specification test
- MPPT test function for solar panels
- R&D, Quality Control
- ATE system
- Production testing

