

# T3EL15030xP Fact Sheet

## Programmable Electronic Loads

### Debug with Confidence

#### 150 Volts, 30 Amps, 300 Watts



### Models and Characteristics

T3EL150302P	High Range	0 V – 150 V	0 – 30 A	200 Watts
	Low Range	0 V – 150 V	0 – 5 A	200 Watts
T3EL150303P	High Range	0 V – 150 V	0 – 30 A	300 Watts
	Low Range	0 V – 150 V	0 – 5 A	300 Watts

### Tools for Improved Debugging

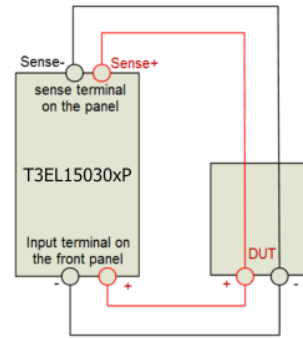
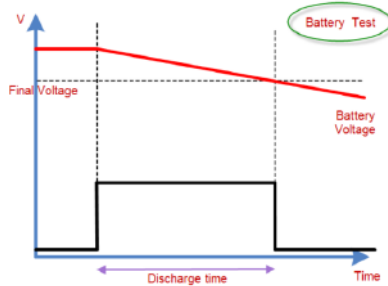
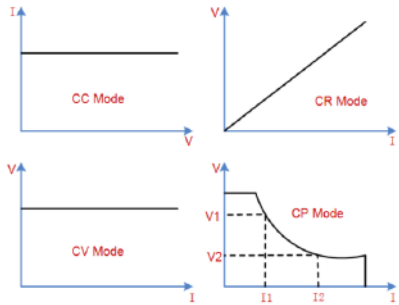
- 2 Models to choose from. Each model has a Low and High mode.
  - ✔ Dual modes add more flexibility for better application coverage.
- 4 Operating modes: CC, CV, CR, CP
  - ✔ Ideal for electronic components, battery, portable charger/adaptor and power products.
- Static, Dynamic and Sequence mode support.
  - ✔ Generate a single static load right through to complex dynamic sequences for thorough product testing.
- Built in Application Functions: Short Circuit Test, Battery Test Mode, CR-LED Mode, OCP and OPP Test.
  - ✔ Quickly set up common tests.
- Provides a load of up to 300 Watts.
  - ✔ Ideal for low to medium power applications.
- Programmable and analog external control.
  - ✔ Support for the maximum control flexibility.
- 3 years warranty as standard.
  - ✔ Reliable product gives piece of mind.

For more information, please contact:



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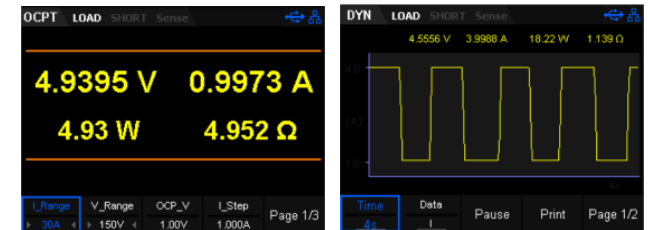


The T3EL15030xP range of Electronic Loads support CC, CV, CP and CR modes. In CC mode the electronic load will sink a constant current regardless of the voltage. In CV mode the electronic load will maintain a set voltage on its input terminals. In CR mode the electronic load will behave as a fixed resistance load. In CP mode the electronic load will dissipate a constant power value from the DUT.

The T3EL15030xP Battery Discharge Function can provide insight into battery performance by analyzing the discharge characteristics of the DUT. The T3EL15030xP features three stop conditions for the discharge test: Voltage, capacity or time. Throughout the test process the battery voltage, discharge current, discharge time and discharged capability is displayed clearly on the LCD panel.

In CC/CV/CR/CW mode, 4-Wire Sense compensates for losses in cabling between the DUT and terminals of the T3EL15030xP electronic load.

Using remote sense is an effective way to improve measurement accuracy at the DUTs terminals, effectively removing the additional error due to the voltage drop in the connection wiring.



Multiple display formats for ease of use.

### Excellent Performance

- Four operating modes CV, CC, CR and CP.
- Dynamic sequence/list mode of up to 100 steps.
- 4-Wire Sense capability compensates for wiring losses.

### Great Connectivity

- USB host port for mass storage.
- RS232, LAN, USB device port (USBTMC) for instrument control.
- BNC output connectors to monitor current and voltage.

### Smart Capabilities

- 4 built in applications modes supporting short circuit, battery test, CR-LED and factory test modes.
- Static and Dynamic load capability.
- Program function supports 50 groups of steps.
- OCP, OVP, OPP, OTP and LRV protection.
- Multiple display formats supporting numerical and graphical modes.
- Smart fan control to minimize noise.

Function	T3EL150302P	T3EL150303P
<b>Built-in Test Functions</b>	Overcurrent Protection Testing, Over Power Protection Testing, Battery Test Function, LED Test Function	
<b>Sequence Mode</b>	List Test Mode: Up to 100 single mode Steps per list, in up to 8 lists Auto Test Mode: Up to 50 mixed mode Steps per file in up to 8 files	
<b>Static/Dynamic Modes</b>	Constant Current, Constant Voltage, Constant Resistance, Constant Power	
<b>Maximum Input</b>	High Range Low Range	High Range Low Range
	0 V – 150 V, 0 A – 30 A 0 V – 150 V, 0 A – 5 A	0 V – 150 V, 0 A – 30 A 0 V – 150 V, 0 A – 5 A
<b>Maximum Input Power</b>	200 Watts	300 Watts
<b>Display Size</b>	3.5" TFT-LCD Display	3.5" TFT-LCD Display