

## Features:

- Fully automated precise testing for high volume applications at the touch of a button
- Direct Drive via rotor shaft, test alternators with pulley or save time by testing without installing a test pulley
- Measures over 100 different alternator parameters
- User configurable Pass and Fail printed reports and labels through a PC and the ALT Report program for virtually unlimited flexibility, or directly to a printer interface from the tester, both can include performance curve, oscilloscope pattern, and test results
- Learning Mode records sample test results for easy setup of test specifications in just minutes
- Checks all types of alternator and voltage regulator terminals and functions such as computer control, soft start delay, feedback, under/over voltage indication, PCM control, load response control, tachometer frequency
- Simulates all signals to the alternator including on-board computer functions
- Measures turn on speed, ripple current, input power, voltage regulator instability, stator voltage, reverse diode leakage, can test rectifier voltage drop, regulator saturation voltage, and torque and efficiency (optional)
- 10HP computer controlled variable speed motor with high reliability Mitsubishi motor drive
- User configurable test procedures with test time from 10 to 60 seconds
- Measures full output performance curve in 15 seconds
- Large LCD screen for viewing test results, performance curves, and manual mode operation, or, as pictured with optional NEMA 12 enclosure with LCD display
- Computer controlled 360 Amp load bank 6 - 42 Volt with resolution of 0.1V @ 12V



- Endurance test mode for component validation
- Test result statistics can be recorded for SPC or analysis
- Includes universal harness and regulator test plugs for popular applications
- Built-in calibration, automatic diagnostic, manual, and detailed report test modes
- Available in many working voltages (220 to 480V at 50/60 Hz).
- Built in battery simulator 6-42V for consistent test conditions
- Test spec database editor for Windows

## Technical Data Measured Parameters:

|                  |                  |                                                       |                            |
|------------------|------------------|-------------------------------------------------------|----------------------------|
| Output voltage   | 0-50 ± 0.15%     | Alternator leakage                                    | 0-100 mA ± 1%              |
| Stator voltage   | 0-50 ± 0.15%     | Feedback voltage                                      | 0-50V (0-100% PWM) ± 0.15% |
| Output current   | 0-300 A ± 0.15%  | Output power                                          | 0-10000W ± 0.3%            |
| Field current    | 0-10A ± 1%       | Memory for unlimited quantity of part number profiles |                            |
| Alternator speed | 0-12000 RPM ± 1% | Alternator temperature                                | 25-200 °C 1% (option)      |

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