ESSP

Engineering Services & Solutions Provider

Agilent Technologies

Channel Partner

# Power Supply Test Systems

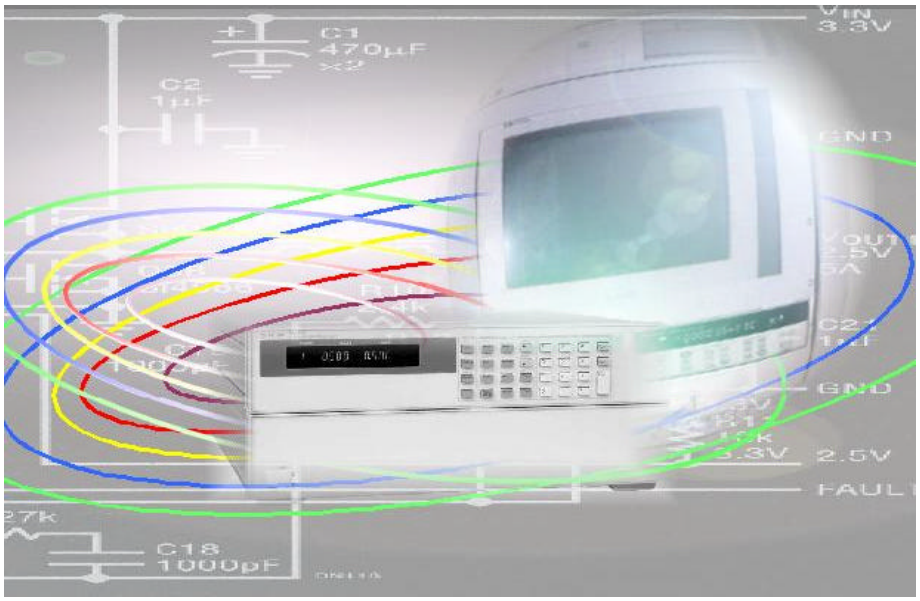
- **Test routines for up to 6 outputs**
- **Parallel test for higher throughput**
- **0V load operation**
- **Data logging to popular spreadsheet formats**
- **Interface to automation and HASS systems**
- **Network support**

## General Description

The EP-300x Power Supply Test System is based on off-the-shelf instruments from Agilent Technologies, installed in a 6-foot 19" rack. The system incorporates the latest N3300 series electronic loads from Agilent, which operate with full stability at zero volts. The ES-1000 Test Management Software provided with the test system allows up to six UUTs (units-under-test) to be tested in parallel for throughput improvements of three-to-five times over a single-well tester[1]. By using standard bench equipment as the base for the test system, cost of calibration and maintenance is lowered. Agilent's proven reliability and our test system's user-friendly diagnostic feature help to minimize system downtime.

The EP-3000 system is designed for the modern high-volume manufacturing environment. Its software can be run from a standalone controller or via the network, and test data is logged in a standard spreadsheet- readable format.

For even higher throughput, our system has interface options to automated conveyor and HASS (Highly Accelerated Stress Screening) systems.




## Test Library

The test library, written in the Agilent VEE Pro Graphical Programming Language, provides most standard DC/DC power supply test functions. Standard tests include voltage regulation, output PARD, input ripple current, switching frequency, short circuit current, low input shutdown, dynamic load, and many more. The ease-of-use of graphical programming means you will be customizing your own tests to the library in a matter of weeks.

## Specifications

Input supply:
**DC/DC**: 0-80V, 0-30A
**AC/DC**: Voltage- 300Vrms
Power- 750VA, 1750VA, 3000VA or 4500VA
One to six load outputs:
Voltage: 0-60V
Current: 0-30A, 0-60A or 0-120A
Basic measurement accuracy:
0.002% + 0.6mV, 0.002% + 0.6mA

[1] Actual throughput increase depends on combination of tests.

7C-2, Persiaran Bayan Indah, Bayan Bay, Sungai Nibong,11900 Penang, Malaysia.
Tel: +604-645 5806 Fax: +604-645 5807 Email : sales@essp.com.my Website : www.essp.com.my