

DLS-15

AC Load & Source Simulator

- **Simulates AC Household & Commercial Loads**
- **Energy is Recycled into Utility Reducing HVAC Loads**
- **Ideal for R&D or QA Environment**

Product Features:

- Capable of 15kVA Power
- 45 to 400Hz Operation
- 60A Continuous Operation



AC Load & Source Simulator!

AeroVironment's DLS-15 is an AC source and load simulator that is capable of 15kVA power, with operation in 50, 60 & 400 Hz and voltage up to 480 Volts RMS. The DLS-15 simulates linear and non-linear AC household and commercial loads.

Call today for product pricing & delivery!

DLS-15 Technical Specification

Features as Load Simulator

- Operates in the following modes:
 - Programmable current (CC) – for voltage regulation testing
 - Programmable power (CP) – for switching power supplies testing
 - Programmable resistance (CR) – to replace resistive load banks
 - Power factor and crest factor control - to simulate linear and non-linear loads

Features as Source Simulator

- User programmable:
 - Voltage
 - Frequency
 - Phase angle
 - Current
 - Abnormal disturbances (time and cycle transients)
 - Waveform library

Common Features

- Intermittent (4 sec) 100A max operation per channel
- Nominal 240Vac operation (three wire with neutral)
- Independent control of each phase
- LabVIEW interface through serial RS-232 communication
- Transformer isolated

Benefits

- Operates with any 15kVA DG or UPS system
- Can be used as an UPS (with battery bank)
- Replace expensive and large RLC load banks
- Fully supports IEEE 1547 testing requirements
- Effective method for testing real-world power conditions
- Operates as a frequency converter

Applications

- UPS, fuel cell testing
- Motor testing
- Avionics testing of military and aircraft
- Braker, fuse testing
- Grid-tied inverter testing
- Transformer testing
- Power supply testing
- Air conditioning testing

All specifications are subject to change without notice.