

DLS-50

AC Load & Source Simulator

- **Simulates AC Household & Commercial Loads**
- **Energy is Recycled into Utility Reducing HVAC Loads***

**When used with ABC-150*

Product Features:

- Capable of 50kVA Power
- 50/60 to 400Hz operation
- Voltage up to 480Vrms



Dynamic AC Load & Source!

The DLS-50 is capable of 50kVA power, with operation in 50/60 and 400 Hz. As a load, the DLS-50 simulates typical linear and non-linear AC household and commercial loads. As a source, the DLS-50 is capable of acting as a pure sine wave voltage source or current source.

Call today for product pricing & delivery!



DLS-50 Technical Specification

50Hz/60Hz Load & Source

Voltage	3 Phase, 480Vrms
Current	75Arms at 480 Volts at 0.8 pf
Load Power Factor	Lead/Lag 0.8
Load Power	50kW
Source Power	50kW
DC Output Voltage	420V

400Hz Load & Source

Voltage	3-phase, 480Vrms
Current	75Arms at 480 Volts at 0.8 lag pf
Load Power Factor	Lead 0.95, Lag 0.8
Load Power	50kW
Source Power	50kW
DC Output Voltage	420V
Optional	Audible noise reduction

DC Bus Interface to ABC-150 (ABC-150 is required to operate DLS-50)

420Vdc for 50/60Hz & 400Hz

Operating Environment

Temperature	0-35°C (higher temperatures can be sustained at a lower continuous power rating)
Humidity	5-90% non-condensing

Major Features

- Operation in 50/60, 400Hz, or any combination
- Programmable current and power factor on the load side
- Seamless interface with the ABC-150
- Other configurable voltages: 115/200, 120/208, 139/240, 230/400, 240/415 and 254/440

Major Benefits

- Operates with a DG or UPS system up to 50kVA
- Energy is recycled into utility, reducing facility HVAC loads (with ABC-150)
- Significantly increases product reliability
- LabVIEW interface through series RS-232 communication

Physical Specification

Dimensions	34"W x 36"D x 66"H (87cm W x 92cm D x 168cm H)
Weight	1000 lbs (455 kg)

All specifications are subject to change without notice.