

2.0 SPECIFICATIONS

Voltage Rating:	125 Volts DC/AC
Maximum Load Current:	110 Amps
Maximum Load Power:	14kW
Load Current Steps:	20, 20, 20, 20, 10, 10 amps (coarse adj.) @ 120V 5, 2, 2, 1 amps (fine adj.)
Ammeter Range:	0 - 120 mV shunt output available at the binding post on the control panel
Auxiliary Power:	120 volts AC (for fan)
Load Terminals:	Superior Electric receptacles - Type RP100GR (red) and RP100GB (black); mate with plugs: Type PS100GR and PS100GB.
Packaging:	All aluminum construction mounted on easy-rolling 3" dia. castors.
Overall dimensions:	24"Hx14"Wx28"L; weight: 60 lb.
Accessories:	Test Leads: Pair of #4 welding cable leads, 30 feet long, fitted with heavy duty insulated battery clips on outboard ends, and safety-type (dead front) plugs on inboard ends.

3.0 CAUTION

3.1 The model 123XL Portable Load Box can dissipate up to 141W in the form of hot air. Before operating, position the unit so that the heated air will be directed away from any equipment or fixtures that could be damaged by heat. If possible, locate the unit in a doorway opening and direct the airflow out-of-doors. Ensure that the air intake is free and unobstructed.

4.0 OPERATING INSTRUCTIONS

- 4.1 Verify that the main circuit breaker and all switches are in the OFF position (toggle DOWN).
- 4.2 Plug special test leads into the red and black jacks on the side of the control box. Clip the outboard ends to the terminals of the battery to be tested, observing polarity: RED - POSITIVE and BLACK - NEGATIVE.
- 4.3 Connect the 120 VAC line cord to the control unit and plug it into the power line.
- 4.4 Switch-on the fan. Wait a moment until the fan gets up to speed, a click will be heard as the air flow switch operates and energizes the under voltage trip coil on the main circuit breaker.
- 4.5 Close the main circuit breaker, and establish the desired load current by closing the appropriate toggle switches (toggle UP). Note that the current values printed on the control panel are approximate only. Fine-tuning may be required by manipulating the toggle switches using the ammeter as a guide.
- 4.6 Maintain constant current draw during the test by manipulating the toggle switches.