



ULB 650 KW PORTABLE LOAD BANK

The Model ULB-R650

is a state-of-the-art, high capacity portable resistive load bank system intended for testing and routine maintenance of stand-by generators, UPS, or other AC power sources. Designed for indoor or temporary outdoor use, the ULB-R650 load bank features a dual-voltage rating (240 or 480 VAC) with automatic voltage sensing to allow a wide range of testing compatibility. The load bank is digitally controlled via an on-board PLC with touchscreen display and includes standard digital metering with data acquisition and data logging.

The ULB-R650 load bank features a modular design with common subassemblies which improves quality and shortens lead-times. In fact, ULB is the only major load bank manufacturer to inventory several different high capacity load bank models in factory stock. Quick shipping is available on many models including the ULB-R650 load bank.

The load bank enclosure is portable with heavy-duty caster wheels and forklift channels for easy positioning and placement. The cabinet is constructed of heavy gauge steel with a durable polyester powder coat finish. The enclosure has hinged access doors with lockable latches. Cooling air is drawn in from the screened intake sides and the hot air exhaust is directed upward through the stainless steel screened top. Incoming power connections are made directly to industry standard Cam-Lok style connectors.

The load bank control power is provided from a standard dual-voltage internal control power transformer, which derives power from the input load voltage. This eliminates the need to run a separate 120 VAC utility feed to the load bank. The control power circuit automatically senses the incoming voltage and adjusts accordingly.

ULB's proprietary resistor load elements provide the necessary power loading for each individual load step. The resistors are constructed from precision nickel-chromium resistance alloy and are fully supported within the air stream by stainless steel rods which are insulated with high-temperature refractory ceramics. Heavy-duty, PLC controlled, magnetic contactors provide load application of each load step.



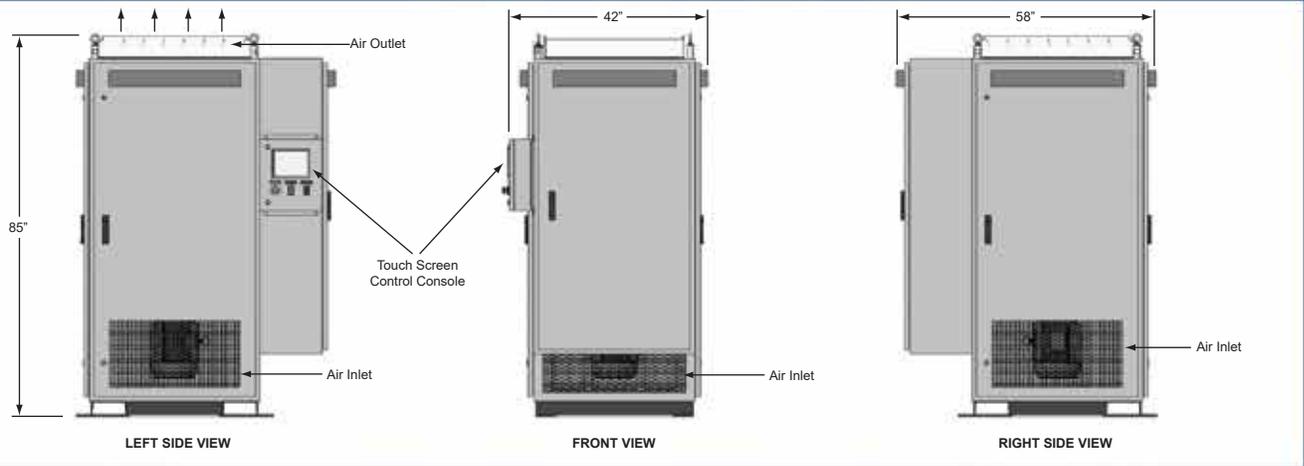
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DIMENSIONS



The load bank resistor elements are forced-air cooled with a heavy-duty, three-phase, TEFC electric blower motor with cast aluminum, high-performance direct-drive fan blade. The blower motor can be powered from the main input load bus (test source) or optionally from an external three-phase supply source. Motor starter circuit is fuse protected and includes an overload relay.

STANDARD DIGITAL LOAD CONTROLS

The load bank is digitally controlled via an on-board PLC with color touchscreen display and includes standard data monitoring (Voltage, Current, KW, and Frequency) with test data capture to a USB drive. The load bank can be operated in manual, automatic, or multi-station mode. Multiple load banks can be daisy-chained together and run from a single controller for higher capacity testing. The digital controller includes a wide range of safety circuits including cooling-air loss, over-temp, over-voltage/under-voltage, and load dump. All load is automatically removed and locked-out in the event of a safety circuit trip. A hard-wired Emergency Stop switch is also included.



This model is the new industry standard for 500 KW to 1000 KW permanently mounted load banks and is backed by years of expertise in load banks. Established in 1969, Testek-ULB has been a manufacturer of custom test equipment for the aerospace, airline, aircraft MRO, military, industrial, agricultural and automotive industries. As the world leader in load banks for the aerospace industry, we now offer a complete line of load banks for the commercial market.

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