



Data Sheet - R2500 Series

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| Load Bank | R2500 Series, Self Contained, Stationary Load Bank |
| Load Bank Type | AC Resistive |
| Load Rating | 2500 KW at 480 VAC, 3 Phase, 60Hz 2500 KW at 400VAC, 3 phase, 50 Hz -various configurations available -can work at other voltages with derating or w/options |
| Minimum Step | 25 KW |
| Power Factor | 1.0 |
| Operator Controls | Digital Controls using In-Built PLC E-Stop Switch Power ON/OFF Load Dump Toggle Switch Data Monitoring and Data logging (Voltage, Current, KW, and Frequency) Multiple load banks can be daisy chained |
| Display | Color Touchscreen HMI (mounted on the LB) or Remotely hand held - 25ft cable provided |
| Metering Accuracy | +/-2% FS |
| Safeties / Protection | Over-voltage/under-voltage/voltage imbalance protection 3 Phase current imbalance protection Cooling-air loss protection Over-temperature protection Internal Fuses for Resistive load element groups Load Dump Limit Switches for Doors |
| Cooling System | Integrated Air Cooled |
| Number of Fans / Air Flow | 6 High Efficiency Blowers - 60,000 CFM total unrestricted |
| Direction of Air Flow | Vertical |
| Fan Controls | Internal or External |
| Load Cable Connection | Direct connection to bus-bars |
| Interface | USB for Data Logging, Monitoring of Test Data Serial Ports for Program upload /download |
| Heater Element | High capacity Nichrome " <i>HeliCon</i> " load elements fully supported with stainless steel rods insulated using high-temperature refractory ceramics |
| Duty Cycle | Continuous Industrial Duty |
| Enclosure | Heavy Gauge Steel Gravity type self opening /closing stainless steel louvers |
| Environmental Rating | Nema-3R |



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| Dimensions | 96 W x 86 D x 85 H (inches) 244 W x 218 D x 216 H (cm) |
| Weight | 4000 lbs / 1818 Kgs |
| Surface Finish | Polyester Power Coat, Matt Finish |
| Color | RAL 7042 |
| Transportation Provision | Fork Lift Slots, Lifting hooks |
| Install Type | Out Door use |
| Ambient Temperature Range | -4°F to 120°F (-20°C to 50°C) |
| Maximum Ambient Humidity | 95%RH |
| Quality / Certification | Built in ISO-9001:2015 certified facility |
| Addons / Options Available | Better Load resolution; such as 5KW, 10 KW, 20KW |
| | Better metering accuracy; such as +/-1% F.S |
| | Certified Drawings |
| | 25ft or 50ft or longer Color Coded Load Cable sets |
| | Power Cable Reel, Motorized |
| | Longer Control Cable (Up to 100 ft) |
| | Arctic Winterizing Kit |
| | Auto Load Level Modification |
| | External Power Switch; if control power external opted |
| | Stainless Steel Fabrication |
| Vinyl Dust Cover | |
| Without HMI (No Display) | |
| <p>Note: ULB reserves the right to make changes to the above specifications without notice. The specifications are for standard models built in production batches and as such these are for general guidance. Dimensions and Weight is typical.</p> | |