



## Data Sheet - R650 Series

Load Bank	R650 Series, Self Contained, Portable Load Bank				
Load Bank Type	AC Resistive				
Load Rating	650 KW at 480 VAC or 240 VAC, 3 Phase, 60Hz. Can operate at other voltages with de-rating or w/options				
Application Voltage, Phase and Frequency	Rating	Voltage	Phase	Frequency	Min. Step
	KW	VAC	No:	Hz	KW
	650	480	3	60	5
	650	240	3	60	5
	487	416	3	60	3.75
487	208	3	60	3.75	
Minimum Step	5 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)				
Display	Multiple load banks can be daisy chained				
	Color Touchscreen HMI (mounted on the LB) or Remote - 25ft cable provided				
	Metering Accuracy				
	+/-2% FS				
	Over-voltage/under-voltage/voltage imbalance protection				
Safeties / Protection	3 Phase current imbalance protection				
	Cooling-air loss protection				
	Over-temperature protection				
	Internal Fuses for Resistive load element groups				
	Load Dump				
Cooling System	Limit Switches for Doors				
	Integrated Air Cooled				
	Number of Fans / Air Flow				
	1 High Efficiency Blower - 18,000 CFM unrestricted				
	Direction of Air Flow				
Vertical					
Fan Controls					
Internal					
Load Cable Connection					
Cam-Lock color coded receptacles					
Interface	USB for Data Logging, Monitoring of Test Data				
	Serial Ports for Program upload /download				



Heater Element	High capacity Nichrome "HeliCon" load elements fully supported with stainless steel rods insulated using high-temperature refractory ceramics
Duty Cycle	Continuous Industrial Duty
Enclosure	Heavy Gauge Steel Stainless Steel Screen on top for Hot air Exhaust
Environmental Rating	Nema-3R
Dimensions	33.5 W x 58 D x 76 H (inches) 85 W x 147 D x 193 H (cm)
Weight	1600 lbs / 726 Kgs
Surface Finish	Polyester Power Coat, Matt Finish
Color	RAL 7042
Transportation Provision	Caster Wheels, 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	UL & cUL Listed Built in ISO-9001:2015 certified facility Better Load resolution; such as 1 KW Better metering accuracy; such as +/-1% F.S Certified Drawings
Addons / Options Available	25ft or 50ft Color or longer 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 Explosion Proof 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>	