



## LT-2000 DC Load Bank

--Customized non-constant current discharge

Kongter's LT-2000 is a series customized DC load banks feature unique design and excellent performance. We offer many different load bank models of non-constant current discharge to cover a wide voltage range with current up to 2000A. With Kongter's flexible solutions, they cover a wide application including telecom, power utility, data center, forklift and others. Users could easily control via manual local push button, circuit breaker or optionally via PC remote control.

NOTE: Picture of main body for reference only. Real product may be slightly different.

### Features

- ◆ State-of-art and rugged design with user friendly control panel.
- ◆ Widely applied for DC load test where constant current discharge is not required
- ◆ Sectionalized control of power enables customized setting of load step and time.
- ◆ Real-time display of test current, voltage, power and time in LCD meter.
- ◆ Alternative control modes by local circuit breaker/push button contactor or PC control.
- ◆ Protection upon over voltage, over temperature and with emergency stop button
- ◆ It adopts latest load element with high density power, safer and more durable.
- ◆ Axial flow fans with big blast capacity for quick ventilation with low noise.
- ◆ Many customized models available upon request for various voltage and current

### Technical Parameter

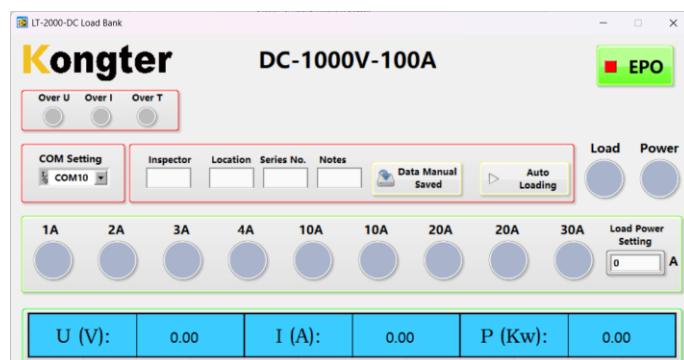
Rated voltage	12-1000VDC – customized voltage per user's need
Rated current	Up to 2000A – customized current per user's need
Voltage range	1-1000V
Current range	10-2000A
Load accuracy	±5%
Way of Display	Real time display of voltage, current and time
Sampling accuracy	0.5 class
Work power	Per customer local power supply
Control mode	Basic: Local manual control with push button contactor or circuit breaker Advanced: Optional control via PC remote control (communication: RS485)
Protection level	IP20 (for indoor models) IP44 (for outdoor models) Indoor and outdoor models are built per customer's choice.
Cooling mode	Force-air cooling, air entry from bottom and outlet to top side.
Work Mode	Continuous work
Protection function	Overheating/buzzer alarm, overheating/over voltage protection, emergency stop button
Environment	-10 ~ 50°C, ≤95% RH

NOTE: Above is just general info of LT-2000 series load bank. For detail specification for certain models, please refer to relative specification accordingly.

**Load Element**

Kongter's resistive DC load bank units are mainly composed of high reliable and durable new alloy resistor. This resistor has good insulation and heat dissipation with uniform heat conducting. Working temperature is just 1/3 of rated temperature.

It has feature of small temperature drift, stable resistance without over heating in long time work. It is moisture-proof, antiseptic, safe and durable. This enables the continuous and consistent performance of Kongter's DC load bank.

**PC Remote Control (Optional)**

NOTE: This screenshot is for reference only. Each PC software is customized for your right model.

PC remote control is optional to whole series of Kongter LT-2000 DC load bank. It uses PC software for control of loading. Compared to local manual control, PC remote control is much more convenient operated on PC.

It is using RS485-USB cable for communication between load bank and PC. PC software has these functions:

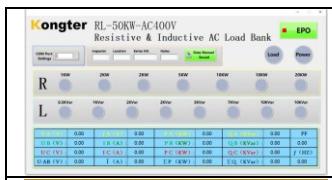
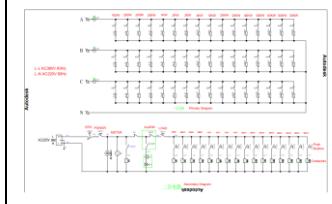
- Adjustment of load steps, turn on/off power switch or EPO buttons in same way like local manual control.
- All measurement data will display on the screen of PC software.
- You could generate Excel test report any time during testing.
- You could set auto loading based on certain time interval if necessary.

**Control Panel****Load Bank Control Panel Explanation**

NOTE: Pictures for the parts below are for reference only, it may not be exactly the same for your load bank model. Please refer to your real load bank panel.

Component Picture	Name	Function
	EPO	Emergency Pause Operation (Press to stop, rotate to release) <u>clockwise rotate before load bank operation</u>

	Power	Fan power with built in light indicator
	Meter	Digital meter displaying the voltage, current, frequency, active power
	Alarm	When the load is over temperature or overload, the buzzer will flash and sound an alarm.
	Load	Load Steps control switch with built in light indicator
 or 	Load steps adjustment	<p>Two optional types of load step adjustment: circuit breaker or push button on/off contactors.</p> <p>Load steps are arbitrarily combined to achieve any load power per user's need.</p>
	Local tablet control (optional)	<p>Easy control of load bank on touch screen tablet on load bank panel.</p> <p>This is optional solutions for customers.</p>

	PC remote control (optional)	Convenient control of load bank operation via PC with connection of RS485. Operation of load bank is done on PC software remotely. This is optional solutions for customers.
	Grounding connection	Grounding before load bank testing
	Diagram	All design diagrams provided--turn key. Note: picture for reference only. Refer to real diagram per actual design.

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