



K-1000 Series AC Load Bank

---With More Customized Solutions

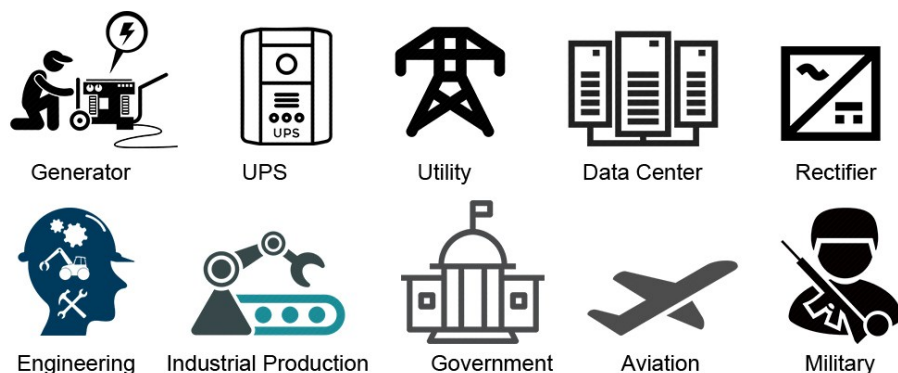
Load bank testing is vital to replicate and verify the operation of critical backup power systems such as diesel generators and uninterruptible power supplies (UPS). Kongter offers a wide range of customer-tailored AC load banks that excel in a range of load test applications and environments.

Our rugged and durable load banks consist of a wide range from purely small rack mounted unit up to high-capacity resistive reactive containerized solutions. Combined with state-of-art load bank control, Kongter provides comprehensive testing, monitoring and reporting capabilities with unrivalled ease, efficiency and value for money.

Features:

- ◆ Compact load bank unit with user friendly control panel.
- ◆ Effectively applied for full load test of generator set, UPS and other AC power systems.
- ◆ Sectionalized control of input power enables any customized setting of load step and time.
- ◆ Real-time display of test current, voltage, power, power factor, time and frequency.
- ◆ Alternative control modes by local control of circuit breaker/push button or PC control.
- ◆ PC software com protocol is open for data integration to customer's IT system.
- ◆ Emergency stop button for quick termination of AC load test.
- ◆ Protection upon over load, over voltage, over temperature, short circuit and so on.
- ◆ 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 more customized models (resistive, inductive, capacitive or combined) available upon request

Application:



Protection & Control:

Standard Protections:

- ◆ Emergency stop operation: one key stop loading
- ◆ Over temperature alarm/protection: alarm & remove load
- ◆ Fan interlock protection: loading available after fan activated
- ◆ Over voltage protection: alarm & remove load

Optional Protections

- ◆ Blower thermal overload protection: alarm & remove load
- ◆ Lack of air volume protection: alarm & remove load

- ◆ Short circuit protection by fuse (over current protection)
- ◆ Phase sequence protection (for fans with 3 phase voltage)
- ◆ Air inlet & outlet temperature monitoring
- ◆ Or other functions as requested

Control Modes

3 optional ways of control mode:

- ◆ Local manual control with circuit breaker
- ◆ Optional control via local touch screen tablet
- ◆ PC software remote control with RS485 connection with load bank

Load Bank Types:

Kongter offers a whole range of AC load bank including resistive only and resistive/reactive combined units from small rack mounted ones to huge container types. Some common types include:

- ◆ Resistive Only (R)
- ◆ Resistive/Inductive (RL)
- ◆ Resistive/Capacitive (RCD)
- ◆ Resistive/Inductive/Capacitive (RLC)
- ◆ Rack Mounted Load Bank (RM)



Technical Specification:

Here are the technical specifications for some common models of different load types for your reference only. Generally, Kongter builds **customized models** as per users' different need precisely.

For all units, these parameters could be customer-tailored per users in different countries and application areas: **max power, measurement voltage, frequency, load step, way of control, power supply voltage, indoor/outdoor type.**

>>> Resistive Only

Models	R-30KW -AC230V	R-100KW -AC400V	R-200KW -AC400V	R-500KW -AC400V	R-1000KW -AC400V	R-2000KW -AC400V
Capacity:	30KW	100KW	200KW	400KW	1000KW	2000KW
Rated Voltage:	Single phase AC230V	Three Phase AC400V or customized				

>>> Resistive/Inductive (RL)

Models	RL-6KW -AC230V	RL-60KW -AC480V	RL-100KW -AC480V	RL-200KW -AC480V	RL-500KW -AC480V	RL-2000KW -AC480V
Capacity	Resistive: 6KW	Resistive: 60KW	Resistive: 100KW	Resistive: 200KW	Resistive: 500KW	Resistive: 2000KW
	Inductive: 4.5KVAR	Inductive: 45KVAR	Inductive: 75KVAR	Inductive: 150KVAR	Inductive: 375KVA	Inductive: 1500KVA
Rated Voltage	Single Phase AC230V	Three Phase AC480V or customized				

>>> Resistive/Capacitive (RCD)

Models	RCD-30KW-AC240V	RCD-60KW-AC415V	RCD-100KW-AC415V
Capacity:	Resistive: 30KW	Resistive: 60KW	Resistive: 100KW
	RCD: 30KVAR	RCD: 60KVAR	RCD: 100KVAR
Rated Voltage:	1P: AC240V	Three Phase AC415V or customized	

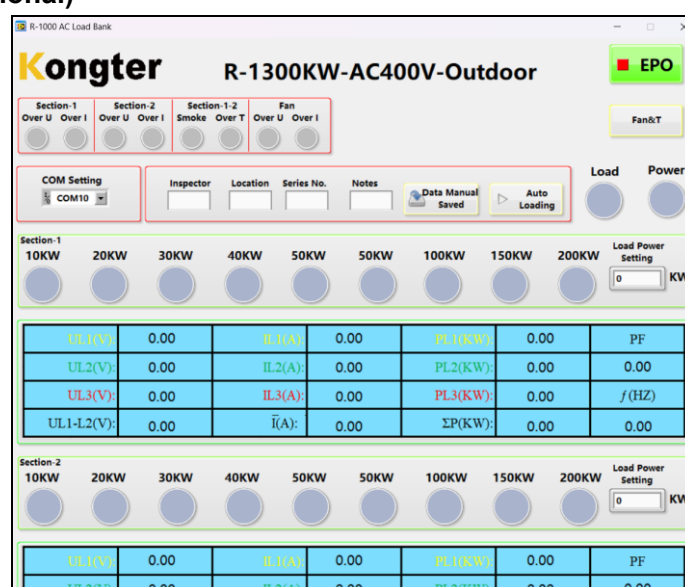
>>> Resistive/Inductive/Capacitive (RLC)

Model:	RLC-30KW-AC480V	RLC-60KW-AC480V	RLC-100KW-AC480V
Capacity:	Resistive load: 30KW	Resistive load: 60KW	Resistive load: 100KW
	Inductive load: 30KVAR	Inductive load: 60KVAR	Inductive load: 100KVAR
	Capacitive load: 30KVAR	Capacitive load: 60KVAR	Capacitive load: 100KVAR
Rated Voltage:	Three Phase AC480V or customized		

>>> Rack Mounted Load Bank (RM)

Model	RM-3KW-AC230V	RM-6KW-AC400V	RM-10KW-AC415V
Capacity:	3KW	6KW	10KW
Rated Voltage:	AC230V single phase	AC400V three phase	AC415V three phase

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 AC 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 or TCP/IP 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.

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