K-3980 Battery Load Banks

---The customer-tailored battery load bank

K-3980 series customized DC load banks feature unique design and excellent performance that will facilitate your work for battery maintenance. It covers different types of batteries (1.2V, 2V, 6V and 12V). With different customer-tailored models, it covers a wide discharge range from 12V to 480V for users from different industries. With optional DAC, discharge values of each cell could be monitored on the LCD display and computer simultaneously by using the Kongter PC software.

Why Kongter?

1) K-3980 has different customized models to meet exactly the requirement of customers from different industries.
2) Its optional data loggers enable a wireless communication with computer. And it will monitor the whole process of discharge including voltage of each cell.
3) Multi-functional for testing battery capacity and monitor different parameters.
4) Excellent performance with very good price.

Features

♦ Small weight, portable unit, convenient for onsite test
♦ Optional wireless DAC enables real-time PC monitor for measurement
♦ It sets 4 conditions for discharge auto shut-down:
   Discharge time, discharge capacity, string voltage and cell voltage
♦ Continued discharge available when previous discharge is stop abnormally
♦ Parallel connection of two units for higher discharge current
♦ Can work with other load banks for assistant discharge
♦ Can monitor measurement of other load banks or battery charger
♦ Accurate data measurement and vivid waveforms
♦ Auto sorting for lag-out batteries during discharging
♦ Safe circuits avoids damage to battery during measurement
♦ Powerful management software for data analysis and report printing
♦ Automatic protection upon over-heating and overload
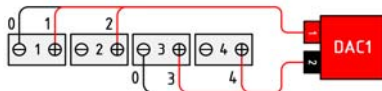♦ Thermal cut-off and automatic overload protection

Optional DAC

Connection with 1.2V or 2V cells:
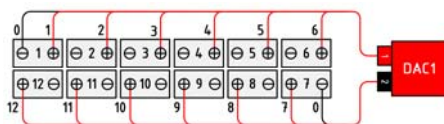
Connection with 6V or 12V cells:

Optional Data Acquisition Case (DAC)

DAC is optional for wireless communication with K-3980 main unit and PC. The new insulation-protected DAC is rugged and capable to measure all type of batteries (1.2V, 2V, 6V and 12V).

Its Connection:

One DAC could be connected with 12 cells of 1.2V, 2V or 4 cells of 12V (or 6V). Therefore, in different battery systems, they require different amount of DACs. With DAC, K-3980 and Kongter PC software will be able to monitor and record voltage of each cell together with other parameter like String Voltage, Current, Discharge Capacity and so on.

Technical Parameters

Mains Voltage	1). AC 220V/110V, 50/60Hz; 2). DC (optional for some models)
For battery type	1.2V, 2V, 6V and 12V
Discharging Current	Accuracy: 1% Resolution: 0.1A or 0.5%
Discharge voltage range	48V: 10-55.2V 110V*: 10-132V 220V*: 10-264V 380V: 10-437V
Voltage Accuracy	0.5%
Sampling Interval	5s –1min
Display	128*64 pixel LCD
Temperature	0℃～40℃
Humidity	5%～90% Relative humidity
Standard	CE marking, EMC standard
Dimension & Weight (main unit)*	400*177*280 mm (Size: S, 11kg) 520*202*355 mm (Size: M, 16kg) 555*225*435 mm (Size: L, 21kg) 603*400*740 mm (Size: XL, 43kg) 740*400*730 mm (Size: XXL, 52kg)

K3980 PC Software

Note*:

1) Measurement range, dimension and weight may be different depending on different models. Please refer to brochure of each model for details.

2) In some countries, 110V is replaced by 120V (10-144V). And 220V is replaced by 240V (10V-288V).

Kongter PC Software

All standard load units of K-3980 come with PC software. With the software, you have a real-time data monitoring, analyze the testing data and easily print out the complete report.
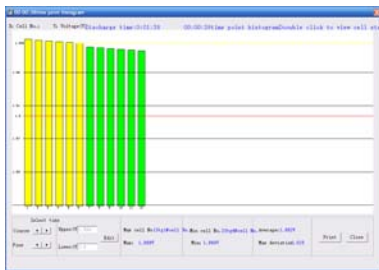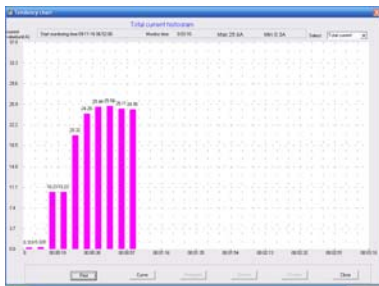
Order Information

Kongter offers different models of battery load bank to fit almost all users who need battery discharge. For telecom, power and other industries, we have the regular customized models of load bank as below:

Area of Use	Model	Discharge Range	Code	NOTE *
Telecom	24V/48V 200A	Current: 0-200A Voltage: 10V-55.2V	LB-2482	With DAC
			LB-2482-1	W/O DAC
	24V/48V 300A	Current: 0-300A Voltage: 10V-55.2V	LB-2483	With DAC
			LB-2483-1	W/O DAC
	48V 300A	Current: 0-300A Voltage: 10V-55.2V	LB-4830	With DAC
			LB-4830-1	W/O DAC
Power	110V/220V 100A	Current: 0-100A Voltage: 10V-132V (nom:110V) 10V-264V (nom:220V)	LB-1121	With DAC
			LB-1121-1	W/O DAC
	110V 100A	Current: 0-100A Voltage: 10V-132V	LB-1110	With DAC
			LB-1110-1	W/O DAC
	110V 200A	Current: 0-200A	LB-1120	With DAC

		Voltage: 10V-132V	LB-1120-1	W/O DAC
	110V 300A	Current: 0-300A	LB-1130	With DAC
		Voltage: 10V-132V	LB-1130-1	W/O DAC
	220V 100A	Current: 0-100A	LB-2210	With DAC
		Voltage:10V-264V	LB-2210-1	W/O DAC
Telecom & Power	48V/110V 100A	Current: 0-100A Voltage:10V-55.2V(nom:48V) 10V-132V (nom:110V)	LB-4811	With DAC
			LB-4811-1	W/O DAC
	48V/220V 100A	Current: 0-100A Voltage: 10V-55.2V(nom:48V) 10V-264V (nom:220V)	LB-4821	With DAC
			LB-4821-1	W/O DAC
Big UPS	380V 50A	Current: 0-50A	LB-3850	With DAC
		Voltage: 10V-437V	LB-3850-1	W/O DAC
	480V 20A	Current: 0-20A	LB-4802	With DAC
		Voltage: 10-552V	LB-4802-1	W/O DAC
Wide Voltage Range	12V-80V 200A	Test range: 10V-13.8V (12V): 0-100A 10V-27.6V (24V) : 0-200A 10V-41.4V (36V) : 0-200A 10V-55.2V (48V) : 0-200A 10V-82.8V(72V): 0-200A 10V-92V (80V) : 0-200A	LB-2348	With DAC
			LB-2348-1	W/O DAC
	12V-220V 200A	Test range: 10V-13.8V (12V): 0-50A 10V-27.6V (24V): 0-100A 10V-41.4V (36V): 0-150A 10V-55.2V(48V): 0-200A 10V-132V(110V): 0-75A 10V-264(220V): 0-150A	LB-2415	With DAC
			LB-2415-1	W/O DAC

*NOTE:

♦ More customized models will be available upon request.

♦ In some countries, above 110V is replaced by 120V (10V-144V) and 220V is replaced by 240V (10V-288V).

♦ All above DACs are designed to test 2V, 6V and 12V batteries. Measurement for 1.2V cells is optional.

♦ Kongter also offer special DAC for 12V cells ONLY. One of such DAC can hook up with 12 cells of 12V.

♦ This is just general info of K-3980 series battery load bank, for detailed models, please refer to their catalog respectively.